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DATA PROCESSING DIVISION USAFETAC Air Weather Service (MAC)

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6 FEB 1982

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

RANDOLPH AFB TX N 29 32 W 098 17

FLD ELEV 761 FT RND

MSC #722536

PARTS A-F

FOR FROM HOURLY OBS: JUN 69 - DEC 70, JAN 73 - MAY 81

POR FROM DAILY OBS: MAY 38 - AUG 39, OCT 39 - JAN 46,

MAY 46 - MAY 81

TIME CONVERSION GMT TO LST: -6

FE8 08 1882

FEDERAL BUILDING ASHEVILLE, N. C.

DISTRIBUTION STATEMENT A

Approved for public releases

Distribution Unlimited

859-4820

Review and Approval Statement

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This technical report has been reviewed and is approved for publication.

WAYNE A MCCOLLOM
Chief, Technical Information Section
USAFETAC/TST

WALTER S. BURGMANN

AWS Scientific and Technical Information Officer (STINFO)

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The number that identifies the station in this summary is an AWS Master Station Catalog number. This number is comprised of the WMO number with the addition of a suffix zero; or, in cases where there is no designated WMO number, a 5-digit number created in agreement with WMO rules, plus a sixth qualifying digit. These numbers (also referred to as DATSAV or USAFETAC numbers) uniquely identify each of more than 15,000 reporting stations around the world. This is the provenance of the number (e.g., MSC 999999) which will appear on future OL-A standard products.

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

REVISED UNIFORM SUMMARY OF SURFACE WEATHER OBSERVATIONS

HOURLY OBSERVATIONS

Source discretions are defined as those record or record-special observations recorded at scheduled nource intervals.

DAILY OBSERVATIONS

saily observations are accepted from all data recorded on reporting forms and combined into Jummary of the lay observations. (Selected from record-special, local, summary of the day, remarks, etc.)

DESCRIPTION OF SUMMARIES

receifing each section is a prior description of the data comprising each part of the Fevised Uniform Summary of Surface Weather Stervations and the manner of presentation. Tabulations are prepared from hourly and daily descriptions recorded by stations operated by the U. J. Services and some foreign stations using similar reporting practices.

United, otherwise noted the following communies are included for this station:

PART A WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

PART B PRECIPITATION

SNOWFALL

SNOW DEPTH

PART C SURFACE WINDS
PART D CEILING VERSUS VISIBILITY

SKYCOVER

PART E DAILY MAX, MIN, & MEAN TEMP

EXTREME MAX & MIN TEMP

PSYCHROMETRIC DRY VS WET BULB

MEAN & STD DEV .

(DRY BULB, WET BULB, & DEW POINT)

RELATIVE HUMIDITY

PART F STATION PRESSURE

SEA LEVEL PRESSURE

STANDARD 3-HOUR GROUPS

Are summaries requiring diurnal variations are summarized in eight 3-hour periods corresponding to the following sets of hourly observations: occuping to the following sets of hourly observations: occuping to the following sets of hourly observations:

MISSING HOUR GROUPS

Summary sheets are omitted when stations maintaining limited observing schedules did not report certain three-nour periods for any particular month during the available period of record. Such missing sheets are listed below, and are applicable to all summaries prepared from hourty observations.

Y-IAUHAI.	APRIL	JULY	OCTOBER
FEBRUARY_	MA Y	AUGUST	HOVEMBER
MARCH	JUNE	SEPTEMBER	DECEMBER

	0 ON SUMMARY 2536	RANDOLPH AFB TEXAS/SAN	ANTONIO	N 2	9 32	W 098 17	761		LND	WMO NUMPER
		STATION LOCAT	ION A	ND II	NSTRU	MENT	ATION I	HIST	ORY	
UMBER OF OCATION		GEOGRAPHICAL LOCATION & NAME	TYPE OF STATION	AT THIS	LOCATION	LATITUDE	FONCILABE	ELEVATION FIELD (FT)	ABOYE MSL HT. BARO.	OBS PER DAY
1 2 3 4		h Field, San Antonio h AFB, Texas	AAF AFB Same Same	Apr 38 Jun 48 Apr 53 Sep 75 Jan 80	May 48 Mar 53 Aug 75 Dec 79 Nov 81	N 29 32 Same Same Same Same	W 098 17 Same Same Same Same	743 Same 761 Same 761	755 Same 743 Same NA	24 24 24 24 24
MBER	DATE	SURFACE WI	NO EQUIPMENT	INFORMATION	<u></u>	<u> </u>				
OF DCATION	OF CHARGE	LOCATION		TYPE OF TRANSMITT	TYPE OF RECORDER	CROUND HT ABOVE	REMARKS, ADDI	TIONAL EQUIPM	IENT, OR REA	SON FOR CHAN
1 2 3 4 5 6 7	Apr 38 Jun 48 Apr 53 Apr 55 Apr 58 Apr 60 Jan 62	Located in Administration Located at Weather Station Located in Base Weather S Located on Top of Station Located in the East Tower Located approx. on the ce 800 ft ENE of Rnwy 14L-32 Dual Instrumented 1. Approx, centered on a ENE of centerline of Rnwy 2. Approx, centered on a WSW of centerline of Rnwy	on. Station. Conter and RR. and 850 if 14L-32R and 550 if	t Same	ML-14 Same Same RO-36 Same Same	43 ft Same 65 ft	Removed Removed Removed RO2 Repla	ced with	n RO362	

(

HBER	DATE	SURFACE WIND EQUIPMENT INF	ORMATION			
OF ATI ON	OF C NANGE	LOCATION	TYPE OF TRANSMITTER	TYPE OF RECORDER	NT. ABOYE CROUND	REMARKS, ADDITIONAL EQUIPMENT. OR REASON FOR CHANGE
ខ	Apr 65	Dual Instrumented 1. Same 2. Located 550 ft WSW of center- line and 2875 ft SW of Rnwy 14R.	Same Same	Same	Same Same	
9	Jan 67	Triple Instrumented 1. Approx 550 ft ENE of center- line of Rnwy 32R and 1450 ft from end of Rnwy 32R.	Same	Same	Same	
		2. Approx 600 ft ENE of center- line of Rnwy 14L and 700 ft from end of Rnwy 14C.	Same		Same	
,	Oct 70	3. Located 550 ft WSW of center- line and 2875 ft SW of Rnwy 14R. Triple Instrumented	Same		Same	
		1. Located 520 ft ENE of center- line, 1330 ft NE of end of Rnwy 32R.	Same	Same	Same	
		2. Located 410 ft ENE of center- line, 905 ft SE of end of Rnwy 14L.	Same		Same	
		3. Located 520 ft WSW of center- line, 2450 ft SSW of end of Rnwy 14R.	Same		Same	
	Jan 71	Triple Instrumented 1. Same 2. Same	AN/GMQ-20 Same		Same Same	
	Aug 75	3. Same 1. Same 2. Same	AN/GMQ-11 Same Same	RO-2 Same	Same Same Same	
3	Dec 79	3. Same 1. Same 2. Same 3. Same	Same Same Same Same	Same Same	Same Same Same Same	

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U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

PART A

WEATHER CONDITIONS

This summary is a percentage frequency occurrence of various atmospheric phenomena and obstructions to vision, derived from hourly observations, and is presented in two tables as follows:

- 1. By month and annual, all hours and years combined.
- 2. By month, all years combined, by standard 3-hour groups.

A percent value of ".0" in these tables indicates less than .05 percent, which is usually only one occurrence. The various phenomena included in each category on the forms are listed below:

Thunderstorms - All reported occurrences of thunderstorm, tornado, and waterspout.

Rain and/or drizzle - All liquid precipitation, falling to the ground, not freezing.

Freezing rain and/or freezing drizzle (glaze) - Precipitation falling in liquid form, but freezing on contact with an unheated surface.

Snow and/or sleet (ice pellets) - Included are snow, snow pellets, sleet, snow grains, ice crystals, and ice pellets from Jan 68 and later. (Snow pellets also known as soft hail)

Hail - Occurrences of hail and small hail are included.

Percentage of observations with precipitation - Included in this category are the observations when one or more of the above phenomena occurred. Since more than one type of precipitation may be reported in the same observation, the sums of the individual categories may exceed the percentages of the observations with precip.

Fog - Included are fog, ice fog, and ground fog.

Smoke and/or haze - Occurrences of smoke, haze, or combinations of smoke and haze are included.

Blowing snow - Occurrences of blowing snow (also drifting snow when reported from non-WBAN sources).

Dust and/or sand - Included are blowing dust, blowing sand, and dust.

Continued on Reverse

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Blowing spray - This item if reported, is not shown in a separate category on this form but is included in the computation Percentage of Observations with Obstructions to Vision, below.

Percentage of observations with obstructions to vision - Included in this category are the observations when one or more of the above obstructions to vision occurred. Since more than one type of obstruction may be reported in the same observation, the sums of the individual categories may exceed the percentage total columns. Also, although precipitation may reduce visibility, it is not considered an obstruction to vision for purposes of this summary; therefore, the percentage total of obstructions to vision need not reflect the total observations with reduced visibility.

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WEATHER CONDITIONS

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PANDOLPH AFB TX

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PEPCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	UD-02	.5	15.6	1.4	• 8	. 1	17.0	19.5	. 3			19.8	930
	03-05	•2	15.9	1.8	• 4		17.7	24.0	1.1			24.0	930
	06-03	•1	15.3	1.0	• 2		16.3	27.7	1.0		• 1	28.2	930
-	79-11	•2	13.1	•1	• 1		13.3	24.4	3.1		•1	25.0	930
	12-14	•1	15.9		• 2	•1	11.0	13.4	4.0			16.3	930
	15-17	•1	13.4	•1			13.5	10.0	2.5			11.7	930
	18-20	.4	11.8	1.1			12.6	13.3	. 9			13.4	930
	21-23	•1	12.8	1.1	•5		13.9	14.7	1.2			15.5	930
TOTALS		•2	13.2	.8	• 3	•0	14.1	18.4	1.8		•0	19.3	7446

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LEMAL CLIMATOLOGY BRANCH LEASETAC AT MEATHER SERVICE/MAC

WEATHER CONDITIONS

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STATION NAME

YEARS

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
rga	50-02	.4	11.8		.4		12.2	16.0	•1		•5	16.5	. 45
	33-05	•1	14.2	• 4	•6		15.3	23.4	. 4		•2	23.8	F 4 5
	06-08	•2	14.4	.7	•2		15.4	3u • 9	1.2		• 2	31.4	346
i	59-11	•5	12.2	. 4	• 1	• 1	12.6	22.8	2.6		-1	24.0	č 46
	12-14		5.7		•4		9.0	9.8	2.5			11.0	946
	15-17		7.2	•2	•2		7.6	7.4	1.7			8.7	246
	18-20		7.6	.4	•6	• 2	8.3	7.9	•7			a.3	846
	21-23		7.7		.7		8.0	10.3	•2		• 1	10.4	= 45
<u> </u>	<u> </u>												
													~. ~ ~ ·
TOTALS	1	• 2	10.5	• 3	• 4	• 0	11.0	16.1	1.2		• 1	16.9	6767

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WEATHER CONDITIONS

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PERCENTAGE FREQUENCY OF OCCUPREMCE OF MEATHER COMMITTIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
MATS	00-02	• 9	11.0		• 1		11.1	13.1	1.4		. 4	14.4	93C
	u3-05	. 4	13.4				13.4	21.5	1.5		1	23.4	930
	36-38	. 4	14.1			· · · · · · · · · · · · · · · · · · ·	14.1	₹0.6	3.4		1.5	33.2	230
	U9-11	• 2	12.8				12.8	21.0	3.7		• 9	24.1	₹30
	12-14	• 1	7.8			,	7.8	7.8	3.0		• 3	12.3	630
	15-17	• 2	5.4				5.4	4.4	1.8		• 1	6.2	930
	13-26	• 9	5.2				5.2	4.5	1.2		. 4	6.3	936
	21-23	• 9	6.6				6.6	7.4	1.9		• 5	5.9	930
TOTALS		• 5	y • 5		• 0		9.6	14.1	2.2		•7	16.2	7440

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WEATHER CONDITIONS

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STATION NAME

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PERCENTAGE FREDUENCY OF OCCURRENCE OF FEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO OF OBS.
дры	00-02	2.6	y.7				9.7	14.1	2.8		• 2	16.3	47L
	03-05	3.2	13.€				13.6	27.1	3 • 1		•2	27.1	÷.10
-	06 - 08	2.6	14.4				14.4	39.4	7.7			44.3	₩ UØ
	€9 -11	1.6	11.9				11.9	19.2	5.8		. 4	24.8	900
	12-1+	1.1	3.4				8.4	8.1	3.0		• 1	13.6	900
·	15-17	1.7	5.4				5.4	4 • 6	2.3			€.7	980
	15-20	1.0	3.6				3.6	5.4	1.5		•2	7.2	¢00
	21-23	1.3	5.9				5.9	7.8	2.7		•1	10.4	ისი
TOTALS		1.5	9.1				9.1	15.7	3.7		•2	10.7	7240

USAFETAC POIM 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND, OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
" A Y	70-05	2.7	6.9				6.9	11.5	3.2			13.0	93C
	: 3-05	4.0	3.8				6.8	26.1	3.1			27.8	030
	26-08	1.6	8.1			-	8.1	36.2	9.2			40.9	730
**	39-11	1.6	7.C				7.5	11.8	9.1			19.2	٥٤٥
	12-14	2.2	5.5				5.5	3.7	5.6			8.9	930
	15-17	2.6	5.4				5.4	2.7	3.8			6.2	930
	18-20	3.6	4.9				4.9	2.5	2.9			5.2	927
	21-23	3.7	4.4				4.4	3.8	1.8			4.9	927
			•										
TOTALS		2.8	6.4				6.4	12.3	4.9			15.8	7434

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PERCENTAGE FREQUENCY OF OCCUPRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	SLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JUN	30-03	1.6	3.6				3.€	2.0	1.0			2.8	و <u>ل</u> ه
	03+05	1.9	2.8				2.3	12.6	2.8			13.3	988
	36-08	2.1	4.7				4.7	23.0	11.6			27.8	900
	09-11	1.1	3.6				3.6	1.9	2.3			4.0	359
	12-14	1.1	2.4				2.4	. 9	• 6			1.4	950
	15-17	1.2	3.0				3.0	. 4	• 4			.9	ە 0 0
	18-20	1.2	3.1			• 1	3.1	• 7	• 6			1.1	933
	21-23	1.0	2.9				2.9	. 4	•1			.6	900
TOTALS		1.4	3.3			•0	3.3	5.2	2.4		"-	6.5	7149

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PEPCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOUPLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OSS.
JUL	00-02		• 9				.9	2.5	1.6			3.5	930
	33-35	•1	3.3				3.3	7.0	2.6			8.6	930
	26-88		4.9				. 4.9	17.2	8.6			21.4	930
	.j9 -11	. 4	3.9				3.9	1.4	3.4			4.7	930
	12-14	1.0	4 . 6				4.6	• 3	1.5			1.8	930
	15-17	3.∪	5.9				5.9	• 5	•9			1.4	930
	18-20	1.4	3.4			-	3.4	• 6	•5			1.2	930
	21-23	•6	1.4				1.4	•5	• 5			1.1	930
TOTALS		.8	3.5				3.5	3.7	2.5			5.5	7440

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STATION NAME

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PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	fOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
کان A	0 0- 02	8•	2.9				2.9	1.8	1.3			2.8	930
	u3-05	• 3	2.9				2.9	9.0	4.0			10.5	930
	06 - 08	• 5	3.4				3.4	23.5	15.2			28.3	930
	39-11	.9	3.5				3.5	2.0	3.4			4.0	930
	12-14	3.0	4.6				4.8	.3	1.1			1.3	930
	15-17	3.2	4.9				4.9		• 9			.9	930
	18-20	2.4	4.2				4.2	.4	• 9			1.3	930
	21-23	1.2	3.1				3.1	• 6	• 5			1.2	^ ?
			 -										
TOTALS		1.5	3.7				3.7	4.7	3.4			6.4	7440

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RANDOLPH AFB TX

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STATION NAME

YEARS

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PEFCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
SEP	00-02	1.5	4.6				4.6	6.9	2 • 3			8.0	900
	03-05	1.6	4.9				4.9	15.5	2.3			16.5	899
	36-78	1.0	7.4				7.4	30.7	8.9			33.2	700
	39-11	.4	6.2				6.2	6.0	6.2			13.7	900
	12-14	• 9	6.2			-	6.2	1.4	4.3			5.6	960
	15-17	2.2	6.7				U.7	1.4	3.7			4.6	900
	18-20	3.0	6.8				6.8	1.9	3.9			5.3	960
	21-23	1.2	5.8				5.8	2.7	3.2			5.0	900
1			 										
TOTALS		1.4	6.1				6.1	8.3	4.4			11.1	7199

USAPETAC POINT 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

and the second s والمراد ويناه الماد نويسا المستعملين يداعات والمتعادل

LE FAL CLIMATOLOGY BRANCH FRETAC ALC MEATHER SERVICE/MAC

WEATHER CONDITIONS

77.25.36

C

SANDOLPH AFB TX

69-70,73-87

CCT

STATION

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

нтиом	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
эст	00-02	.8	5.3				5.3	6.7	.9			6.8	930
	03-05	• 3	6.1				6.1	16.8	1.3			17.2	930
	ú6-08	. 4	7.7				7.7	28.9	7.0			30.1	930
	09-11	•6	6.2				6.2	10.4	6.8			14.7	930
	12-14	1.0	5.3				5.3	2.4	2.3		• 1	4.4	930
	15-17	1.1	5•6				5.6	2.0	1.4		• 3	3.7	930
	18-23	1.1	4.4				4.4	2.4	1.1		• 1	3.4	930
	21-23	•6	4.3				4.3	1.9	• 4			2.3	930
TOTALS		.7	5.6				5.6	8.9	2.7		•1	10.3	7440

USAPETAC FORM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

L PAL CLIMATGLOGY BRANCH 1/2 ETAC

" SEATHER SERVICE/MAC

WEATHER CONDITIONS

172136

PANDOLPH AFB TX

69-70,73-80

43V

STATION

STATION NAME

YEARS

HTHOM

PEPCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
NGV	10-02	•6	7.6		• 3		7.7	13.3	1.3			14.0	900
	03-05	. 8	8.3	• 2	•1		8.6	18.6	• 3		_	18.6	٥٥٥
	£6 − 58	1.1	9.4	• 3	•2		9.8	27.4	1.9			28.3	920
	09-11	. 1	7.7				7.7	16.9	2.9			19.1	900
	12-14	•1	7.1				7.1	6.1	1.7			7.3	900
	15-17	. 4	7.0				7.0	4.9	.6			E . 4	900
	18-23	• 8	7.3				7.3	6.4	•8			6.9	900
	21-23	.4	7.2		• 2		7.2	6.8	1.0			7.1	9 0 C
								_					
TOTALS		• 5	7.7	-1	• 1		7.8	12.6	1.3			13.3	7260

USAPETAC POINT 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE ORNOLETE

BLIBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

WEATHER CONDITIONS

722536

KANDOLPH AFR TX

69-70,73-86

010

STATION

STATION NAME

YEARS

HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF WEATHER CONDITIONS FROM HOURLY OBSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
DLC	30-02	• 1	9∙5	•2	• 1		9.7	13.8	• 3		•2	14.0	930
	33-35	•6	12.3			_	12.3	19.9	•1		• 3	20.2	930
	06-08		11.9				11.9	24.4	1.3		• 3	25.2	930
	59-11	•2	10.1				10.1	20.3	2.2		•1	21.7	930
	12-14		8.3				8.3	8.9	1.7			9.6	930
	15-17		7.8				7.8	6.8	1.2		•1	7.5	930
	18-2	• 3	6.5			, ,	5.5	7.4	٤.		•1	3.2	927
	21-23	• 3	8.2		• 1		8.2	8.4	•6			9.0	927
						_					,		
TOTALS		.2	9.3	•0	•0		9.4	13.7	1.3		•1	14.5	7434

USAPETAC POM 0-10-5(QL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSIGNATE

CL CAL CLIMATOLOLY GRANCH CLICTAC A CHEATHER SERVICE/MAC

WEATHER CONDITIONS

7-2536

-ANDOLPH AFB TX

69-70,73-81

ALL

STATION

STATION NAME

YEARS

HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE OF MEATHER CONDITIONS FROM HOURLY OBSERVATIONS

монтн	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	ALL	•2	13.2	.8	• 3	•0	14.1	18.4	1.8		•0	19.3	7440
FEB		•2	10.5	• 3	.4	•0	11.0	16.1	1.2		•1	16.9	6767
"A?		• 5	9.5		•a		9.6	14.1	2.2		.7	16.2	7440
4PD		1.9	9.1				9.1	15.7	3.7		•2	18.7	7200
4.4.Y		2.8	6.4				6.4	12.3	4.9			15.€	7434
4/11/4		1.4	3.3			•0	3.3	5 • 2	2.4			6.5	7199
JUL		.8	3.5				3.5	3.7	2.5			5.5	7440
A US		1.5	3.7				3.7	4.7	3.4			6.4	7440
SEP		1.4	6.1				6.1	8.3	4.4			11.1	7199
OCT		.7	5.6				5.6	8.9	2.7		•1	10.3	7440
Nov		• 5	7.7	•1	• 1		7.8	12.6	1.3			13.5	7200
DEC		•2	9.3	•0	•0		9.4	13.7	1.5		•1	14.5	7434
TOTALS		1.3	1.3	.1	•1	• 0	7.5	11.1	2.6		•1	12.9	87633

USAPETAC ALY 64 0-10-5(OL A), PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

PART A

ATMOSPHERIC PHENOMENA

This summary is a presentation of the percentage of days with occurrence of various atmospheric phenomena. These data are obtained from all recorded information on the reporting forms or from hourly data and combined into a daily observation.

The descriptions of the phenomena in the Weather Conditions Summary above also apply for the categories summarized in these daily tabulations. However, it should be noted that in this summary the columns headed "\$ OF OBS WITH PRECIP" and "\$ OF OBS WITH OBST TO VISION" show the percentage of days rather than the percentage of observations. Since more than one type of precipitation or more than one type of obstruction may occur in the same daily observation, the sum of the values in the individual categories may differ from the total columns.

A percent value of ".0" in the table indicates less than .05 percent, which is usually only one occurrence.

This presentation is by month with annual totals, and is prepared with all years combined.

- NOTES: (1) A day with rain and/or drizzle was not separately reported in the WBAN data prior to year 1949. Therefore, percentages in this column are restricted to the period Jan 1949 and later.
 - (2) A day with freezing rain and/or freezing drizzle is also properly reported as a day with rain and/or drizzle.
 - (3) A day with dust and/or sand is included in this summary only when visibility is reduced to less than 5/8 mile.

TECHAL CLIMATOLOGY BRANCH UNAFETAC ATHRESERVICE/MAC

** WEATHER CONDITIONS

ATMOSPHERIC PHENOMENA

702536

FANDOLPH AFB TX

46-81

ALL

STATION

STATION NAME

YEARS

HTMOM

PERCENTAGE OF DAYS WITH VARIOUS ATMOSPHERIC PHENOMENA FROM DAILY OSSERVATIONS

MONTH	HOURS (L.S.T.)	THUNDER- STORMS	RAIN AND/OR DRIZZLE	FREEZING RAIN & /OR DRIZZLE	SNOW AND/OR SLEET	HAIL	% OF OBS WITH PRECIP.	FOG	SMOKE AND/OR HAZE	BLOWING SNOW	DUST AND/OR SAND	% OF OBS WITH OBST TO VISION	TOTAL NO. OF OBS.
JAN	DAILY	3.4	44.8	3.0	2.9	• 3	43.1	44.8	8 • 4			45.4	1085
FEB		5.5	43.1	1.2	1.7	• 5	41.1	42.8	6.8		• 3	43.8	989
MAR		7.2	44.0	•1	• 5	1.6	41.3	40.4	11.7		• 5	42.9	1085
API		15.0	47.3		• 1	1.6	44.6	44.1	14.2		•3	46. d	1050
MAY		26.3	44.4			1.4	42.0	41.8	18.3		•1	44.1	1085
Jen		14.9	30.9			• 3	29.1	24.7	12.2			27.6	1020
JUL		12.9	23.7				22.3	15.4	5.1			17.5	1054
AUG		15.7	29.6			• 2	27.9	19.2	10.8			21.5	1054
SCP		13.8	36.7			• 2	33.5	31.9	12.7			34.2	1050
JCT		8.4	31.6			. 3	28.9	36.1	12.5			30.€	1084
NOV		4.5	36.1	•2	.8		33.1	37.9	9.2			39.1	1350
DEC		2.5	3a.5	•6	1.0	•1	35.5	39.1	7.7			46.0	1085
TOTALS		10.3	37.6	.4	•6	• 5	35.2	34.8	11.0		•1	36.7	12691

USAPETAC ANY 64 0-10-5(QL A), METHOUS EDITIONS OF THIS POINT AME OBSOLETE

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

PART B

PRECIPITATION, SNOWFALL & SNOW DEPTH

This part of the Uniform Summary consists of eight summaries derived from daily observations as follows:

- 1. The first set presents, in three tables, the percentage frequency of various daily amounts of PRECIPITATION, SNOWFALL, and SNOW DEPTH. The daily amount summary is prepared by month and annual, all years combined, and includes percent of days with measurable amounts; percent of days having none, traces, and given amounts; and means, greatest and least monthly amounts. (The last three statistics are omitted from the snow depth summary because of their doubtful and limited value.) A total count of valid observations is given for months and amount. Stations are included in which a portion or all of the period may contain months with missing days. This will be noted on the summary pages. A percent value of ".0" in these daily amount tables indicates less than .05 percent which is usually only one occurrence.
- 2. The second set of three tables presents the extreme daily amounts, by individual year and month, of PRECIPITATION, SNOWFALL, and SNOW DEPTH for the entire period of record available. Also provided are the means and standard deviations for each month and annual (all months) and the total valid observation count. An asterisk (*) is printed in any year-month block when the extreme value is based on an incomplete month (at least one day missing for the month). When a month has valid observations reported but no occurrences, zeros are given in the tables as follows:

EXTREME DA	ILY :	PRECIPITATION	".00"	equals	none	for	the	month	(hundredths)
EXTREME DA	ILY :	Snowfall	".0"	equals	none	for	the	month	(tenths)
EXTREME DAT	ILY :	SNOW DEPTH	"O"	equals	none	for	the	month	(whole inches)

3. The third set of two tables provides the total monthly amounts of PRECIPITATION and SNOWFALL for each yearmonth and annual. Also prepared are the means, standard deviations, and total number of valid observations for each month and annual (all months). An asterisk (*) is printed in each data block if one or more days are missing for the month. No occurrences for a month are indicated in the same manner as in the extreme tables above. If a trace becomes the extreme or monthly total in any of these tables it is printed as "TRACE."

Continued on Reverse Side

* Values for means and standard deviations do not include measurements from incomplete months.

B - 1

NOTES:

- (1) The above studies may also be prepared for stations operating for less than full months for portions or all of the period of record. This may include stations operating 5 or 6 days a week and those with only random days missing. An asterisk (*) in the data blocks will give an indication that a month is incomplete. Please refer to Station History at front of book and observation counts in each summary to evaluate the amounts of data missing.
- (2) Hail was included in snowfall occurrences in the summary of day observations prior to Jan 56, but these occurrences have been removed from snowfall category and counted as Hail in these summaries.
- (3) Snow Depth was recorded and punched at various hours during the period available from U. S. operated stations. The hours used by each service for each period are as follows:

Air Force Stations:

U. S. Navy and National Weather Service (USWB)

GLOBAL CLIMATOLOGY BRANCH JEAFETAC AIF WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF PRECIPITATION (FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX STATION NAME YEARS

						AM	OUNTS (II	VCHES)						PERCENT		MONT	HLY AMO	UNTS
PRECIP.	NONE	TRACE	.01	.0205	.0610	.1125	.2650	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	OF DAYS	NO.		(INCHES)	_
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2 5.3 4	3 5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15 5-25.4	25.5-50.4	OVER 50.4	MEASUR-	OF OBS	MEAN	GREATEST	LEAST
SNOW. DEPTH	NONE	TRACE	,	2	3	4.6	7-12	13-24	25-36	37-48	49-60	61.120	OVER 120	AMTS				
MAL	55 . 6	19.8	3.6	6.9	4.1	4.3	2.7	1.7	1.3					24.6	1318	1.69	7.95	•00
FEB	5 5.7	19.0	3.0	5 . 8	4.2	4.3	3.5	2 • 9	1.5	. 1				25.4	1182	2.05	6.73	• 00
MAR	5 5 • 5	22.4	4.3	5.6	3 • 3	3.4	2.5	1.9	1.0	. 1				22.1	1301	1.52	5.96	.01
APR	53.6	23.2	2.9	4.4	2.5	3.7	3.0	3 • 1	3.3	• 3				23.2	1258	3.21	10.23	.20
MAY	56.7	17.8	2.5	5.1	3.1	4.3	3.8	3.7	3.3	. 3	.1			26,2	1321	3.71	13.25	•C O
NUL	€ વ • 3	14.3	1.4	3.0	1.9	2 • 3	2.3	3.1	2.7	• 6				17.5	1254	3.08	7.71	•00
JUL	75.9	9.9	. 7	3.2	2.2	2.6	2.1	1.5	1.7	• 2				14.2	1295	1.74	8.59	•60
AUG	70.8	11.3	1.2	3 • 3	2.1	3.5	2.5	2.9	2.0	• 2				17.8	1296	2.40	8.55	• 0 0
SEP	64.5	12.9	1.9	4.2	2.0	3.0	4 • D	3.7	3.0	•6	. 1			22.6	1251	3.85	15.45	•00
ост	67.7	12.4	2.3	4 . 2	2.2	3.0	2.0	2.6	2.3	. 7	. 1			20.0	1327	3.06	11.44	• 00
NOV	64.2	17.1	2.0	3.6	2.1	3.6	3.3	2.1	1.5	. 3	.1			18.6	1277	2.15	7.33	•00
DEC	61.5	16.5	3.0	6.1	4.0	3.9	2.0	2.1	.8	.1				22.1	1324	1.57	5.20	0نا•
ANNUAL	62.4	16.4	2.4	4.6	2 . 8	3.5	2.8	2.6	2.0	. 3	• 0			21.2	15404	30.03	\times	\times

1210 WS JUL 44 0-15-5 (OL.1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

15

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH!	JAN,	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
35				*	•00*	• D D:+	•00*	0.0	* •00*	.00	* .00*	.00	
39	* .00#	.00.	.42*	. 38	1.08	.05	1.01	2.16		07.	.26	58	
40	• 55	.27	. 34	2.52	1.69	2.83	.57	.82	• 35	2.63	1.09	.96	2.83
41	1.20	• 79	1.39	2.24	1.19	3.79	.52	. 45	3.43	1.56	.47	58	3.79
42	•21	1.11	.27	-98	.89	1.34	3.32≠	2.06	3.65	5.07	.41	.10	5.01
43	• 52,	. 34	1.11	• 97	1.14	1.37	1.33	1.88	1.64	.80	1.09	.32	1.55
44	1.82	. 49	1.18	.82	1.66	1.19	•12	.93	2.19	.95	1.15	1.36	2.19
45	1.38	1.34	2.95	.61	•10	1.91	1.43	.43	1.68	3.14	.62	37	3.14
46	. 84×	.52	-		i				1.84	.66	1.40	1.65	
47	.71	.14	1.28	•11	2.51	.01	.88	2.08	TRACE	-11	. 55	.84	2.51
48	• 29	• 5 5	.24	. 93	1.27	2.89	• 15	• 6 5	1.23	1.50	.41	.11	2.89
49	1.39	2.24	•60	2.53	.42	3.09	.73	51,	. 74	2.86	.03	.85	3.05
50	• 06	.43	.08	1.83	1.45	2.53	• 56	• 76	.92	.31		TRACE	2.5
51	• 22	1.26	1.46	.22	2.05	2.25	TRACE	. 37	1.68	.55	.52	10	2.2
52	.47	.75	1.36	2.14	1.96	1.42	1.45	TRACE	2.54	.00		.85	2.54
5 3	.50	.40	.19	1.47	.27	2.96	•02	2.29	3.90	.85	. 35	2.49	3.90
54	. 24	.09	• 05	- 98	.83	2.06	• 86,	. 24	• 56	.71	.22	.13	2.00
5.5	1.20	3.10	1.38	•16	1.10	.83	• 38	•50	•30	-03	.80	.63	3.10
56	.72	. 36	- 13	• 25	1.72	.26	• D4	2.78	• 35	.25	• 5 5	2.14	2.71
57	• 36	1.41	.90	2.17	3.42	1.32	1.05	•06	4.41	1.63	1.01	.57	4.4
5 s	1.31	1.98	• 36	1.16	1.58	. 6 3	1.29	.23	2.27	1.14	.90	.29	2.2
59	.18	.66	.12	2.13	1.52	1.99	1.93	1.21	• 55	4.15	.80	1.15	4.1
60	• 4 6	.69	1.01	1.65	• 39	3 • 5 5	. 41	2.23	. 80	2.49	.49	1.07	3.5
61	•24	1.38	• □6	. 38	.14	2.29	2.11	•85	• 70	2.71	1.75	.16	2.7
62	•12	. 85	• 5 3	1.45	1.04	.91	TRACE	.67	1.78	.26	3.21	.80	3.21
63	•28	1.78	.07	1.67	1.93	1.23	.47	.27	1.36	1.63		.69	1.9
64	2.09	• 56	2.04	• 5 5	1.12	1.68	•11	1.50	1.21	1.88	3.82	1.83	3.82
65	1.58	1.74	2.02	1.37	2.24	1.03	• 05	.14	1.67	2.90	3.05	3.16	3.10
6 6	• 36	. 80	•60	. 85	1.34	1.34	•12	1.73	•63	-28	TRACE	.18	1.7
67	.08	.19	1.45	- 54	1.19	•02	1.77	64	3,69	1.31	1.96	<u> </u>	3.69
MEAN													
S. D.													
IOTAL OBS	i_												

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 64 0-88-5 (OL A)

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GLUFAL CLIMATOLOGY BRANCH USAFETAC AI: MEATHER SERVICE/MAC

EXTREME VALUES

PRECIPITATION

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION NAME

38-81

24 HOUR AMOUNTS IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
6 8	2.44	•88	.56	1.92	1.16	1.16	.39	•63	1.94	•63	2 - 18	.36	2.4
69	. 41	1.45	1.17	1.02	1.21	1.79	. 13	1.05	1.37	1.71	1.43	1.46	1.7
70	• 41	1.80⇒	.86	1.40	2.05	. 44	. 40	. 96	1.09	- 50	•01	•05	2.0
71	.04	.48	.01	• 59	.62	.66		2.46	2.17	2.14	1.30	93	2.4
72	•59	• 26	• 13	. 48	7.49	2.18	• 45	1.27	.78	1.13	•98	-08	7.4
73	•91	• 65	.92	2.66	• 40	2.31	1.73	1.14	5.13	1.57	15	.21	5.1
74	• 66	• 10	.81	2.81	1.23	.76	.60	2.47	• 95	• 77	1.99	.47	2.8
75	. 32	1.29	.88	.82	3.19	2.07	. 42	. 5D	-74	3.51	.26	1.60	
76	• 1 1	• 39	. 85	2.00	3.30	• 5 7	1.28	.77	1.42	2.11	• 56	.79	3.3
77	1.15	.61	. 38	2.35	.80	•56	09	.65	1.31	99	5.94	22	5.9
7 8	.18	• 8 5	• 65	1.95	.98	4.52	4.21	3.17	2.73	.74	3.38	1.07	4.5
79	1.92	• 57	.66	2.10	.46	1.80	1.76	1.12	.51	.76	• 32	1.12	2.1
្ឋ ជន	.71	. 24	.80	.82	1.98	.60	TRACE	1.09	2.23	* .41	1.51	.28	2.2
81	1.64	•60	.83	2.21	1.83								
MEAN	.728	.860	.786			1.614		1.092	1.669	1.439	1.177	.786	3.23
S. D.	.616	.664	.638		1.234	1.074	.916	.818		1.191	1.237	.707	1.20
TOTAL OBS	1318	1182	1301	1258	1321	1254	1295	1296	1251	1327	1277	1324	1540

NOTE * (BASED ON LESS THAN FULL MONTHS)

FORM JUL 44 0-88-5 (OL A) USAF ETAC

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF JEATHER SERVICE/MAC

F.

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81

YEARS

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ОСТ	NOV.	DEC	ALL MONTHS
38	1	1		,	* .00*	.00	.00	.00	• .00+	•00*	.00	•00	
39	* .00*		.61	. 38	2.74	•10	2.10	3.65		.15	57.	.79	
40	.61	1.08	1.00	4.23	3.66	7.71	1.11	. 83	.66	5.23	2.07	3.75	31.94
41	2.55	2.40	2.67	6.68	3.42	6.55	.60	1.23	4.11	4.38	.86	1.12	36.57
42	. 43	2.39	• 40	2.98	2.08	2.12	8.59	* 2.60	7.99	8.71	.63	•15	*39.07
43	1.03	.10	1.39	1.71	3.48	3,72	4.22	1.88	3.70	.97	2.13	1.37	25.70
44	4.55	1.55	3.04	1.81	5.62	2.79	- 18	3.03	2.60	1.02	3.65	3.06	32.90
¥5	2.61	3.91	5.86	1.48	. 38	4.00	2.18	97	2.99	4.30	.62	-86	30.16
46	3.05	• 52					i		8.84	1.57	1.49	2.11	
47	3.11	.19	1.50	. 25	7.48	.01	. 88	4.49	TRACE	.17	1.39	1.87	21.34
48	• 42	1.56	.66	1.44	3.43	3.56	.40	1.46	1.55	2.10	.92	.12	17.62
49	2.85	4.16	1.23	10.23	.86	7.52	1.61	1.01	1.12	10.41	.03	3.70	44.81
50	.26	1.90	.17	3.42	3.46	3.34	.90	1.09	1.99	. 31	.30	TRACE	17.14
51		2.83	2.91	. 54	5.26	3,55	TRACE	.37	3.59	1.17	1.30	.16	22.15
52	.60	2.17	2.39	4.77	3.54	3.88	2.91	TRACE	5.66	•00	3.81	2.78	*32.51
5 3	-58	1.08	. 37	2.84	.88	3.06	• 02	4.53	6.26	2.54	.40	3.52	26.08
54	.66	.09	•07	1.79	1.75	2.33	1.16	.32	•62	1.19	.51	.14	10.63
5 5	1.74	4.66	1.51	.20	3.01	2.66	1.08	1.86	.69	•10	1.29	•79	19.59
56	1.04	1.10	.27	.27	2.45	• 30	.05	4.81	• 5 5	. 93	1.50	2.65	15.92
57	• 5 3	2.86	3.72	8 . 38	7.86	2.62	1.16	.12	9.57	4.20	2.67	.95	44.64
5 8	4.19	5.15	1.00	1.93	3.28	1.88	2.07	. 37	5.97	5.62	1.58	.74	33.78
59	.61	2.46	.18	4.29	3.61	4.84	3.81	3.24	1.54	5.48	1.11	2.56	33.73
60	1.17	1.80	1.79	2.89	1.15	5.02	.82	4.39	•90	11.44	1.78	2.71	35.86
61	• 65	1.72	. 13	. 44	.16	6.27	5.36	1.47	2.04	4.43	3.61	.59	26.87
62	• 56	1.26	.69	3.60	1.14	1.58	TRACE	.68	3.09	• 35	4.51	1.88	19.34
63	.47	3.31	• 15	1.94	2.43	2.02	. 48	• 5 3	2.58	3.33*	2.93	1.11	+21.28
64	3.04	2.11	2.62	1.30	2.44	3.06	.16	3.33	3.44	1.93	4.04	1.89	29.36
65	2.23	6.73	2.37	2.18	6.65	1.06	.08	.38	3.11	4.43	3.57	5.20	37.96
66	1.28	2.49	1.30	2.25	2.61	1.45	. 16	6.33	2.33	.40	TRACE	•22	20.82
67	•11	. 36	2,34	.60	2.82	.02	3.51	1.27	10.84	2.26	4.10	1.33	29.56
MEAN										i			
S. D.													
TOTAL OBS							1					1	

NOTE + (BASED ON LESS THAN FULL MONTHS)

0-88-5 (OL A) USAF ETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

MONTHLY PRECIPITATION

(FROM DAILY OSSERVATIONS)

722536 RANDOLPH AFR TX
STATION NAME

TOTAL MONTHLY PRECIPITATION IN INCHES

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	D€C	ALL MONTHS
68	7.95	1.81	1.16	3.70	2.49	3.39	•50	.83	4.41	1.27	5.75	.62	33.8
69	1.01	3.03	2.79	3.24	3.43	2.92	15	2.52	1.66	4.36	2.42	3.04	30.5
70	1.25	3.92	1.88	2.24	7.02	.96	.87	1.89	3.11	1.38	.01	.17	*24.7 1
71	.05	-62		.72	1.94	1.80	. 28	7.68	4.78	3.88,	1.71,	3.44	26.9
72	1.14	• 39	.18	.75	13.25	3.58	1.45	3.74	2.23	1.53	3.50	.27	32.0
73	3.77	2.40	2.07	5.73	81	7.69	4.56	2.24	15.45	5.26	28,	21	50.4
74	1.78	-10	1.51	4.72	4.19	.99	1.90	8.55	2.97	2.61	4 . 76	1.19	35.2
75	.67	2.82	1.22	2.19	7.87	5.08	1.15	1.22	1.75	3.64	34	1.77	29.7
76	.20	.58	2.15	7.32	9.27	.68	5.53	1.45	5.11	9.11	2.23	1.91	45.5
77	3.36	1.53	1.11	10.08	1.95	.98	12	. 74	2.46	1.46	7.33		31.5
78	.62	2.50	.89	3.57	1.54	7.17	4.77	6.03	8.71	.98	6.62	2.10	45.5
79	4.37	1.75	3.58	7.72	1.64	3.33	4.47	2.88	1.00	.80	. 95	2.28	34.7
80	1.66	.67	1.28	1.38	7.92	.60	TRACE	2.42	5.88	.67	3.52	.47	+26.4
81	1.81	.68	2.02	3.66	5.02								
MEAN S. D.	1.691		1.520	3.206 2.616	3.714	3.078	1.740	2.396	3.850 3.252	3.059	2.151	1.573	30.30 9.35
5. D. II	I . DII	10754	10433	C.010	60191	Z + 157	1070/	60107	30636	4.00/	1.000	104/01	7.33

NOTE + (BASED ON LESS THAN FULL MONTHS)

FORM 0-88-5 (OL A) USAF ETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOWFALL (FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFR TX 46-81 YEARS

						AM	OUNTS (NCHES)						OF DAYS WITH MEASUR ABLE MATS		MONTHLY AMO		
PRECIP.	NONE	TRACE	.01	.0205	.0610	.1125	.2650	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	OF DAYS	TOTAL NO.		(INCHES)	
SNOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2 5-3 4	3.5-4.4	4.5-4.4	0.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4		OF OBS.	MEAN	GREATEST	LEAST
SNOW. DEPTH	NONE	TRACE	1	2	3	4.6	7-12	13-24	25-36	37-48	49-60	61-120	OVER 120	AMTS				
JAN	97.4	2.3	•2					• 1						• 3	1116	.1	5.0	.0
FEB	98.3	1.0	. 2	• 2	• 2	. 1								. 7	989	.3	2.6	.0
MAR	99.7	. 3					·								1085	TRACE	TRACE	.0
APR	99.9	• 1													1050	TRACE	TRACE	.0
MAY	99.9	. 1													1085	TRACE	TRACE	.0
MUL	160.0				<u> </u>										1020	•0	•0	.0
JUL	180.0														1054	•0	•0	.0
AUG	100.0				· ·										1054	•0	.0	.0
SEP	100.0														1050	•0	•0	•0
ост	100.0														1084	•0	•0	.0
MOV	99.3	. 7			!		L. ———								1047	TRACE	TRACE	.0
DEC	99.1	. 8		. 1										.1	1085	TRACE	.6	.0
ANNUAL	99.5	. 4	•0	• 0	•0	• 0	, 1	•0	l			<u> </u>		.1	12719	. 4	\times	\times

1210 WS JUL 64 0-15-5 (OL.1) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

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GLUBAL CLIMATOLOGY BRANCH DSFFETAC AI: WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

46-81

YEARS

24 HOUR AMOUNTS IN INCHES

MONTH!	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
46	TRACE								• 0	.0	.0	TRACE	
47	رک و	.0	0	.0.	. 0	.0.	. 0	. 0.	. 0	0	0	. 6	
43	• 0	•0	•0	• 0	• 0	• 0	.0	• 0	• 0	• 0	• 0	• 0	•1
49	5.3	• 0	• 0	.0	.0	. 0	.0	.0	• 0	.0	• D		. 5
50	• 3	.0	•0	• 0	• 0	• 0	.0	• 0	.0	• 0	•0	• O 🖟	•1
51	TRACE	TRACE,	<u>• n</u>	.0	• 0	• D	•0	.0	• 0	• 0	• 0	•0	TRACI
52	• a	.0	• 0	• 0	• 0	• 0	.0	• 0	• 0	• 0	• 0	• 0	•1
53	• 0	. 0	.0	. 0	• 0	• D	.0	• 0	. 0		.0	. 0	
54	TRACE	• 0	• 0	• 0	• 0	• 0	•0	. 0	• 0	• 0	• 0	•0∄	TRAC
5.5	• 0	• 0	.0	.0	. 0	• 0	.0	.0	.0	. 0	TRACE		TRAC
56	• 0	• D	• 0	• D	• 0	• 0	• D	• D	•0	• 0	• 0	•0	•!
57	.0	.0	• 0	0	.0	• 0	.0	0	• D	• 0	TRACE	-0	TRAC
58	• 3	• 3	•0	• D	• 0	• 0	. 0	. 0	• 0	• 0	- 8	.0	•
59	TRACE	• 0	• 0	• 0	• 0	• Q	.0	. 0	.0	. 0	TRACE		TRAC
60	• 0	TRACE	• 0	• 0	• 0	. 0	• 0	• 0	• 0	• 0	• 0	TRACE	TRAC
61	TRACE	.0	•0	• 0	0	• 0	.0	• 0	•0	• 0	D	0	TRAC
62	• 0	. 0	TRACE	• 0	• 0	. 0	• 0	• 0	• 0	• 0	• 0	• 0	TRAC
63	TRACE	TRACE	• 0	• 0	• 0	• 0	.0	.0	•0	.0	* . 0	TRACE	TRAC
64	TRACE	2 • 6	• 0	• 0	• 0	• 0	• 0	• 0	.0	.0	• 0	TRACE	2.
65	• 0	1.0	TRACE	• 0	• 0	.0	•0	• 0	.0	• 0	•0	.0	l.
56	• 1	2.1	• 0	• D	• 0	• 0	• 0	• 0	• 0	• 0	• 0	•0	2.
67	• 1	. 8	•0	.0	• 0	. 0	.0	.0	•0	. 0	.0	TRACE	
68	TRACE	• 0	•0	• 0	• 0	• 0	• 0	• D	• 0	• 0	.0	.0	TRAC
69	.0	TRACE	• 0	• 0	•0	• 0	• 0	• 0	•0	-0	0	TRACE	TRAC
70	TRACE	TRACE	•0	TRACE	• 0	.0	• 0	• 0	• 0	• 0	•0	.0	TRAC
71	TRACE	•0	•0	0	.0	0	0	•0	.0	•0	0	0	TRAC
72	TRACE	• 0	•0	• 0	• 0	• 0	•0	• 0	• 0	• 0	• 0	TRACE	TRAC
73	TRACE	1.9	.0	•0	0	.0	•0	. 0	• 0	. 0	.0	0	
74	• 0	• 0	•0	•0	• 0	• 0	•0	• 0	• D	.0	• 0	•0	•
75	TRACE	TRACE	.0	.0	TRACE	. 0	.0	0	٥٠	0	. 0		TRAC
MEAN								I					
S. D.													
TOTAL OBS			_								i		

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OL A)

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

EXTREME VALUES

SNOWFALL

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB IX
STATION NAME

24 HOUR AMOUNTS IN INCHES

MONTH	JAN.	FEB	MAR	APR	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
76	.5	•0	•0	• 0	•0	• 0	• D	• 0	• 0		TRACE		TRACE
$-\frac{77}{75}$	TRACE	•0	•0		•0	<u> </u>	•0	<u>•</u> D	• D	• O	.0	•0	TRACE
79	TRACE	•0.	• 0.	• 0;	0	• U;	• 0.	• O	• 0; • 0i	0	. D		TRACE
90	•3	•0	•0	•0	• 0	• D	• 0	• D.	• 0 *		TRACE	• D	TRACE
91	TRACE	0,	•0		•0		+						
		+	+							· · · · · ·			
											1		
											i	1	
<u> </u>											i		
												1	
													
													
								+					
										ĺ			
				+									
MEAN	.14	. 25	TRACE	TRACE	TRACE	.00	•00	.00	.00	•00	TRACE	•02	, 4 !
S. D.	.833	.650	.000	.000	.000	.000	.000	.000	.000	.000	.000	.101	1.070
TOTAL OBS	1116	989	1085	1050	1085	1020	1054	1054	1050	1084	1047	1085	12719

NOTE * (BASED ON LESS THAN FULL MONTHS)

0-88-5 (OL A) USAF ETAC

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

MONTHLY SNOWFALL

722536 RANDOLPH AFB TX
STATION STATION NAM

(FROM DAILY OBSERVATIONS,

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OC1.	NOV.	DEC.	ALL MONTHS
46	TRACE								•0	• 0	•0	TRACE	
47		. • 0.	• D.	•0.	. 0	D.		. 0.		. 0	.0.	.6	
48	. 0	• 0	•0	.0	.0	.0	• 0	• 0	• 0	٠٥.	• 0	• 3	•
49	5.3	.0	• 0	• 0.	.0	. 0	• 0	. 0	. 0	• 0	0	. 0	5.
50	. 0	.0	•0	• Di	.0	. 0	•0	• 0	•0	• 0	•0	.0	•
51	TRACE	TRACE	• 13	• 0.	. 3	• 0	• 0	. 0	. 0	. 0	D:	ا و .	TRAC
52	• 0	•0	• 0	.0	• 0	• 0	•0	. 8	.0	• 0	• 0	•0	•
53	• 5	.0	• 0	. 0	• 0		D	0	0	.0	٥٠	ام	
54	TRACE	• 0	• 0	. 0	• 0	• 0	٠٥	• 0	. 0	• 0	• 0	.0	TRAC
5 5	. 3	. 0	• 0	• D'	.0.		• 0	. 0	0	. 0	TRACE	נם.	TRAC
56	• J	. 0	•0	• 3	• 0	• 0	•0	• 0	.0	.0	• 0	. 0	•
57	. 0	• 0	. 0	• 0	0	• 0		. 0	.0		TRACE	ا م	TRAC
58	• a	. 3	• 0	.0	.0	• 0	•0	• 0	۵.	.0	•0	.0	•
59	TRACE	. 0	• 0	. 0		• 0	. 0	.0	. 0	. 0	TRACE	ا هـ	TRAC
60	• 0	TRACE	•0	.0	• G	• 0	•0	• 0	• 0	• 0	. 0	TRACE	TRAC
61	TRACE	. 0	• 0	. 0	- 0	0	• C	. 0	. 0	. D	Ω	ام	TRAC
62	• 3	•0	TRACE	. 0	.0	• 0	•0	.0	.0	• 0	• 0	[۵.	TRAC
63	TRACE	TRACE	• 0	.0	. 9	. 0	. 0	. 0	٥٠			TRACE	*TRAC
64	TRACE	2.6	•0	.0	.0	• 0	• 0	.0	• 0	. 0	• 0	TRACE	2.
65	. 0	1.0	TRACE	. 0	0.	• 0	• 0	• 0	. 0	. 0		.0	
66	•1	2.2	٥.	• 0	.0	• 0	•0	• 0	• 0	• 0	• 0	.0	2.
67	. 1	. 8	• 0	.0	.0	0	• 0	. 0	• 0		D	TRACE	
68	TRACE	• 0	•0	.0	• 0	• 0	•0	• 0	• 0	• 0	• 0	.0	TRAC
69	.0	TRACE	• 0	.0	• 0	• 0	• 0	. 0	•0	• 0	0	TRACE	TRAC
70	TRACE	TRACE	•0	TRACE	•0	•0	•0	.0	•0	• 0	• 0	.0	TRAC
71	TRACE	• 0	. 0	.0	• 0	• 0	• 0	. 0	.0	. 0	• 0	. 0	TRAC
72	TRACE	• 0	•0	.0	• 0	•0	•0	.0	• 0	• 0	• 0	TRACE	TRAC
73	TRACE	1.9	. 0	. 0	.0	0	.0	. 0	.0	.0	. 0	. 0	
74	• 3	.0	.0	•0	• 0	•0	.0	.0	.0	• 0	.0	٥٠	•
75	TRACE	TRACE	.0	.0	TRACE	0	. 0	. 0	0	. 0	.0		TRAC
MEAN													
\$. D.													
TOTAL OBS													

NOTE + (BASED ON LESS THAN FULL MONTHS)

USAF ETAC

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

(FROM DAILY OBSERVATIONS)

777536 RANDOLPH AFB TX
STATION NAME

TOTAL MONTHLY SNOWFALL IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
76	• 3	•0	• D;	۵.	. 0	• 0	•0	• 0	• 0	• 0	TRACE	TRACE	TRACE
77	TRACE	.0	• 0	. 0	.0	0	.0	• D	. 0	• Di	.0	. 0	TRACE
76	.)	.0	• 0	• 0	• 0	• 0	• 0	• 0	• 0	• 0	• 0	•0	. (
79	TRACE	.0	• 0	.0	• 0	0	• 0	.0	• 0	• 0	• D	• 0	TRACI
8.0	• 0	• 0	• 0	.0	• 0	. 0	• 0	• 0	• 0	• 0	TRACE	•0	*TRAC!
81	TRACE	• 0	• 0	• 0	•0								
	1.												
	1									ļ	į	Į.	
				+						1			
	 												
1	}									1			
	-			+			+						
												·	
-		j					1		}	ĺ	ŀ	1	
												 	
				+									
	,					Ì			1		-		
													
MEAN	.14	.25	TRACE	TRACE	TRACE	•00	•00	•00	.00	.00	TRACE	-02	. 4
\$. D.	.833	.658	.000	.000	.000	.000	.000	.000	.000	.000	.000	.101	1.08
TOTAL OBS	1116	989	1085	1050	1085	1020	1054	1054	1050	1084	1047	1085	1271

NOTE * (BASED ON LESS THAN FULL MONTHS)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

DAILY AMOUNTS

PERCENTAGE FREQUENCY OF SNOW DEPTH (FROM DAILY OBSERVATIONS)

22536 RANDOLPH AFB TX STATION NAME 38-81 YEARS

						AM	OUNTS (I	NCHES)						PERCENT		MON	THLY AMO	UNTS
PRECIP.	NONE	TRACE	.01	.0205	.0610	.1125	.2650	.51-1.00	1.01-2.50	2.51-5.00	5.01-10.00	10.01-20.00	OVER 20.00	OF DAYS	TOTAL NO.		(INCHES)	
SHOWFALL	NONE	TRACE	0.1-0.4	0.5-1.4	1.5-2.4	2.5.3.4	3.5-4.4	4.5-6.4	6.5-10.4	10.5-15.4	15.5-25.4	25.5-50.4	OVER 50.4	MEASUR-	OF OBS.	MEAN	GREATEST	LEAST
SNOW. DEPTH	NONE	TRACE	1	2	3	4-6	7-12	13-24	25-36	37 - 49	49-40	61-120	OVER 120	AMTS			J	
MAL	98.9	• 8	• 2	. 1		•1						<u> </u>		• 3	1333			
FEB	99.4	• 3	. 1	. 2	• 1									• 3	1194			
MAR	99.9	• 1													1302			_
APR	100.0														1260			
MAY	100.0														1333			
NUL	190.0												<u></u>		1260			
JUL	100.0														1302	L		
AUG	100.0														1302			
SEP	100.0														1260			
ост	100.0														1332			
NOY	99.8	• 2													1287			
DEC	100.0														1333			
ANNUAL	99.8	.1	•0	•0	.0	.0									15498		\times	\times

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AI- WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

DAILY SNOW DEPTH IN INCHES

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
38					0	0:	0	0	۵	0	O	٥	
39	اد	0.	0.	0	Q:	O,	۵	Ď.		D.	٥	ا ء	
40	2	٥	O,	0	a	0,	0	0	۵	٥		0	
41	O.	TRACE	اه	a.	0	D,	٥	0	0	0	0.	ر م	TRAC
42	۵	٥	0	0	0	0	0	0	0	0		0 6	1
43	J	Ð	0	٥	0	0	۵	0	٥	0	0	٥	1
44	a,	0	0	0	٥	۵	ם	0	٥	0	0	0	
45	o!	0	ai	G	0	O	a	a	a	3	O.	0	i
46	0	* 0							0	C	0	٥	
47	a	O	٥	٥	۵	او	أه	O	0.	0	0	0	
48	J	0	0	a	0	0	O	0	0	0	0	0	
49	5	a	C	0	0	0	0	O	o	ol	0;	0	
5ù	J	0	0	0	0	0	0	0	0	0	0	O	
51	TRACE	TRACE	0	٥	0	D.	o	٥	0	0	0	o l	TRAC
52	0	0	Q	0	0	0	٥	0	0	0	0	ם	
53	כ	a	a	a	01	0	۵	Ö	a	0	0	اه	
54	a	0	0	0	G	0	0	0	a	0	0	0	
5 5	اد	0	0	o.	0	G	0	0	0	a	0	اه	1
56	a a	a	0	٥	0	O	٥	٥	D	٥	0	8	
57	ə	a	0	٥	a	0	Q	0	0	o	TRACE	0	TRAC
58		0	0	٥	0	0	۵	0	0	0	G	Ü	(
59	ال	٥	0	۵	ام	0	۵	0	٥	٥	0	0	. (
60	ol	0	٥	a	0	0	٥	0	0	0	0	0	
61	TRACE	a	0	٥	O	0	0	0	٥	j	٥	٥	TRAC
62	۵	0	0	0	0	0	0	٥	٥	0	0	0	
63	TRACE	o	اه	٥	0	۵	ام	اه	0	0	* D	o i	TRAC
64	J	0	0	0	0	0	۵	٥	٥	0	0	o l	
65	J	1	۵	o	0	0	ō	Ö	o	0	0	0	
66	a	3	0	0	0	0	0	0	0	0	a	G	
67	J	0	0	0	0	0	٥	0	0	0	٥	٥	
MEAN													
S. D.													
TOTAL OBS													

NOTE + (BASED ON LESS THAN FULL MONTHS)

FORM 0-88-5 (OL A) USAF ETAC

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

EXTREME VALUES

SNOW DEPTH

(FROM DAILY OBSERVATIONS)

722536 KANDOLPH AFB TX
STATION NAME

38~81 YEARS

DAILY SNOW DEPTH IN INCHES

MONTH TEAR	JAN.	FEB.	MAR	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ALL MONTHS
6 8	;	0	0	0	0.	3	3	0	ان	3	0	a.	
69		0	o_	O;	0		O		0		0	0	
7 C	5	٥	С	O.	٥	0.	۵	0	0	0	0	a ,	
$\frac{71}{72}$	<u></u>	0	0.	0_	0	0_	0	0	0	0		D+	
	ن	ō	0	<u>a</u>	0	C:	0	0,	٥	0	0	9	
73		<u>S</u>	<u> </u>	_ · _ <u>- </u>		0	0	0	<u>o</u> _	<u>D</u>		0,1	
74	J	0	0:	0	0	o o	D	D	اِن	Ð	0	0 #	
75	<u> </u>	0	·		<u>0</u>	<u>a</u>	0	0	0		0	0,	T04/
76	TD 4.00	O	1	0	0	g	3	0	Q.	O)		0 } 0 1	TRAC
77	TRACE		TRACE	0	0	<u> </u>	0	0	<u>o</u>	0	<u>C</u>	ان	TRAC
79	3	0	0	۵	0	o o	0	0	۵	a	<i>O</i> :	اه	
80	5	0	ם	0	0	0	0	0	0.0		0	0	
81	7	Ö	0	0	ם: Di	ŭ	٩	3	uj v	3		-	
MEAN S. D. TOTAL OBS	•2 •824 1333	•1 •566 1194	•000	•0 •000 1260	.0 .000 1333	.00 .000	.0 .000	.0 .000 1302	.000 1260	.000 1332	TRACE .000	.0 .000	1.0

NOTE * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC FORM 0-88-5 (OL A)

U S AIR FORCE
LIVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART C

SURFACE WINDS

Presented in this part are various tabulations of surface winds as follows:

11. Extreme Values - Peak Gusts: Derived from daily observations and presented by individual year and month for the entire period of record available. Speeds are presented in knots, while directions are given in 16 compass points from the beginning of record through June 1968, and in tens of degrees starting in July 1968. The extreme is selected and printed from available peak gusts for each year-month, however an asterisk (*) is printed in the data block if less than 90% (3 or more missing observations) of the peak gusts are available for the month. An ALL MONTHS value is presented when every month of the year has valid observations. Means and standard deviations are also computed when four or more values are present for any column. A total raw count of valid observations is presented for each month and ALL MONTHS.

NOTE: According to Federal Meteorological Handbook No. 1 specifications (formerly Circular N), "peak gust data are recorded only at stations with continuous instantaneous wind-speed recorders."

2. Bivariate percentage frequency tabulations: Derived from hourly observations, these tabulations are a percentage frequency of wind directions to 16 compass points and calm by wind speeds (knots) in increments of Beaufort classifications. Percentages are shown by both directions and speed, and in addition the mean wind speed is given for each direction.

A separate category is provided on the form for variable winds, which are reported in some data sources. In these data where light and variable winds are reported with no directions but with speeds given, the speeds will be summarized in the appropriate groups opposite the column headed VRBL.

- a. Three tables are prepared for ALL WEATHER surface winds, all years combined, by: (1) Annual all hours combined, (2) By month all hours combined, and (3) By month by standard 3-hour groups.
- b. A separate annual table is also presented for surface winds meeting INSTRUMENT CLASS conditions as follows: Ceiling 200 through 1400 feet inclusive with visibility equal to or greater than 1/2 mile, and/or visibility 1/2 through 2-1/2 miles inclusive with ceiling equal to or greater than 200 feet.

NOTE: A percentage frequency of ".0" in these tables represents one or more occurrences amounting to less than ".05" percent.

Values for means and standard deviations do not include measurements from incomplete months.

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74.29962

SLEBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION NAME

8-81

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	JAN.	FE	B. A	AAR	APR.	MAY	JUN.	JUL. A	ug. s	EP. C	ICT. N	10V	DEC	ALL MONTH	s
4 2					M	#45S	*50SE	40SE	335 S E	#39NE	#39N	#43N	E #33		
49	N #	3 5	<u> </u>	#32NE	#43NW	365	49E	35E NE	35€	30N	53NE	35 ₩	NW 44		
5 J	N .	38N	39'NNE	39WN:	1 44NE	41E	SE 34SE	30'E	2 8NN W	3 3 N NE	27N	46N	NW 43	N	46
51	NNW	44NNE	38.NNE	42NNE	40SE	4 3 N	E 46E	30SSE	43SSE	48NE	34NN	E 46N	35	SSE	48
52	N	424 VW	41 NN	52N	35N	35N	E 36NN	₩ 37ESE	28ENE	36NE	34 NN	E 43N	NW 34	NNw	57
5.3	NNE	42NNE	32N	37WS	48N	3 3 S	E 3DES	E 31ESE	29NNE	31WSW	4 ONN	W 34N	W 57	NW	5
54	N m	36NNW	49N	40NW	43NN	W 36E	NE 3155	E*50N	49ESE	30NNE	36NN	W 33N	41	SSE	* 5(
5 5 ;	NNW	4 1/N	42NN	43N	31NW	*33N	NH 43N	4 7/E NE	43E	3 3 N N N	35NW	≠4 3iN	NW 43	. N	4
56	N	NNW 8	44NN	465W	37WN		3255	E 35N	37.SE	4 DE NE		4 0 N	43	HNM	65
5 7	SSE	3 9N NW	32 W S	49E	41ES	E 33W	SW 48NW	485E	29N	325E	3 0(N N	E 34N	NE. 34	S w	49
58	NE	34WNW	38 W	32NN1	29NN	E 29N	NW 315	285	295	28 N NE		36N	32		38
59	S .	34N	20N	30NN+	30E	35E	SE 2954		34ENE	50WNW	27N	32N		ENE	51
60	NNH	26NNW	42NNE	27N	37N	32N		22SE	2 5/N	29N	4 4N		NW 33	N	41
61	N ·	40NW	37 NN	. 32NN	37N	335	SE 29SE	26NNE		5 5 N	*34NH	*34N	*39	N	5
52	N	38NH	29NN	28SE	36NN	W 35S	*3155	E 27N	3 5 S	*25E NE	31N	*31W	*27	N	38
6.3	N	42N	36N	*36 SE	*28E	37NI	NE # 39 S	- 1	*32SE	4 5 W	3 3 S E	#36N	NE#29	SE	4 5
64	NW +	34N	41 NN	42N	35 SE	315	E #36NN	E * 29E SE		28 NNE	34N	32N	NE 34	NN m	42
65	w	3 3 N	40N	29 W N W	37S	- 1		E 29ESE		28SE	#28N	1	NW 29	S	47
66		31SSE		*37E	*30NW			E BONNE		32N	28N		NW 37	N	38
67	NNE		39N	34NW		W 425	3 0NW	38E SE			42NN		30	ESE	
6 3		32NNW	35NN		34N	30W			4110/					18/	4)
69	2/	33 3/	3029		- 1	;		/ 2813/				1		27/	48
70		32 1/	3032/					/ 2436/					1/ 33	36/	50
71		3132/	4334/	-1	- 1	1			30 4/				1	31/	4
72	-	3036/	3035											34/	
73	4 -	48 3/	4127/	,	. 1		5/ 3934			,	I			32/	
74		2917/	3417/			/ 513		/ 3822/					3/ 29	29/	
75	1	4332/	3631/		;	-	6/ 30 9		2536/	-				14/	
76		3730/	34 4/					/ 28 9/						15/	
77	d i	3429/	3830/					/ 2526/					1/ 32	16/	
MEAN	-					-					3 347 3				اخب
S. D	-	+										+-			
TOTAL OBS					+-									<u> </u>	_

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A) S (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

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SECHAL CLIMATOLOGY BRANCH UNIFETAC AI WEATHER SERVICE/MAC

EXTREME VALUES

SURFACE WINDS

(FROM DAILY OBSERVATIONS)

7.22.36 RANDOLPH AFB TX
STATION NAME

48-81

YEARS

DAILY PEAK GUSTS IN KNOTS

MONTH YEAR	MAL	. F	EB.	MAR.	APR.	, M	AY	JUN.	JU	l	AUG.		SEP	ОСТ	NC)V.	DE	c .	ALL	
7 3	30/	3929/	36	36/ 30	4/ 2	2932/	513	3/ 4	434/	32	36/ 6	58	3/ 28	3/	2434/	34	35/	32	36/	68
79	31/	46 1/	30	31/ 40	34/ 3	3936/	36,3	6/ 2	333/	32	33/ 2	22	6/ 26	15/	28,33/	28	11	29	31/	46
3.0	35/	3136/	32	35/ 35	32/ 3	3912/	483	5/ 2	911/	21	16/ 3	372	20/ 24	1/	2821/	35	1/	26	12/	48
81	34/	2234/	41	32/ 35	36/ 4	1034/	40		_•											
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MEAN			6.4										33.4		•1 3			5.7		9.
S. D.													7.570							632
TOTAL OBS	9	70	897	995			029		5 1				966	9	<u>95</u>	949		986	11	739

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JULE 0-88-5 (OLA) (BASED ON LESS THAN FULL MONTHS AND +100 KNOTS)

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SE RAE CLIMATOLOGY BRANCH DISCETAC

SURFACE WINDS

AL LEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772536	- ANDOLPH AFS TX	70.73-81	MA℃.
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0000-0200
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	2.0	4.3	4.1	2.8	1.1	• 2						15.4	7.9
NNE	1.2	3.1	4.3	5.1	• 2							13.9	8.9
NE	1.6	3.5	2.3	1.7								9.1	6.8
ENE	• 3	1.3	1.0	• 1								3.2	5.9
E	. 4	• 6	• 2									1.3	4.3
ESE	. 3	• 1	•1						Ĺ			. 5	4.4
SE		• 3	• 3	• 1								. 8	7.4
\$SE		. 9	. 8	• 3								1.9	7.1
S	1.2	3.4	2,4	• 5								7.5	6.1
SSW	1.2	1.6	• 6			<u></u>	Ĺ				L	3.4	4.6
sw	2.2	1.7	• 3	•1		L			Ĺ			4.3	3.8
wsw	1.2	1.2	• 5	.1								3.C	4.6
w	1.1	1.4	. 4				l				<u> </u>	2.9	4.1
WNW	. 8	• 2	• 1									1.1	3.5
NW	1.0	<u>۹</u>	. 4	. 4	Ĺ							2.6	5.7
NHW	4.9	7.2	1.0	1.0	• 2		<u> </u>					14.2	5 · C
VARBL											L		
CALM	>>	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	14.8	
	ر 3.1	32.3	18.8	12.3	1.5	•2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS

930

GINEAL CLIMATOLOGY BRANCH STAFETAC AT SEATHER SERVICE/MAC

HER SERVICE/MAC PERCENTAGE FRE

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

JAN.	70,73-81	- ANDOLPH AFB TX	772536
MONTH	YEARS	STATION NAME	STATION
U300-050Q	ALL WEATHER		
HOURS (L.S.T.)	CLASS		
	COMPUTAN		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	4.1	6.5	4.5	3.7	_ 4	• 3						19.5	7.
NNE	1.3	2.9	5.2	4.7								14.0	9.1
NE	1.5	3.0	1.9	1.0								7.5	6.
ENE	•1	1.0	1.1	• 2								2.4	7.
E	• 7	. 4	• 1									.9	4.
ESE	• 2	• 1	• 1									.4	4 .
SE	• 1	. 5	. 4									1.1	6.
SSE	• 1	• 5	• 3	• 1								1.1	6.
\$	• 9	2.2	1.0	• 1						T		4.1	5 •
SSW	1.2	2,0	• 5									3.6	4 .
SW	1.9	1.4	_• 2									3.5	3.
wsw	1.5	1.3	• 3	1								3.2	4.
w	1.9	1.2	• 6	.4								4.2	4 .
WHW	. 9	• 5	. 3	• 1								1.8	4.
NW	1.1	1.2	.6	• 3								3.2	5.
NNW	4.0	7.3	1.5	1.0	• 2					1		14.3	5.
VARM										1			
CALM	$\supset \subset$	>>	> <	$\supset \!\!\!\! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! \! $	><	> <	> <	> <	$\supset <$	$\overline{}$	> <	15.4	
	21.2	31.9	18.8	11.7	• 6	. 3						100.0	5.

TOTAL NUMBER OF OSSERVATIONS 930

CLIFAL CLIMATOLOGY BRANCH OTHERTAC AT MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722136	ANDOLPH AFB TX	70,73-81	JAN
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0600-0800
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	* . 4	6.6	5.7	5.4	.6	• 4						22.2	5.2
NNE	1.7	4.4	4.4	4.2	• 3				I			15.1	8.1
NE	1.2	3.9	3.0	. 9				L				8.7	6.4
ENE	• 5	• 3	• 9	• 2								2.5	6.6
E	• €	• 5	• 1	• 1								1.5	4.
ESE		• 1										. 3	2.
SE	• 2	• 3	• 1									• 6	4.
35E	• 2	. 4	1.0									1.6	6.
\$	1.2	1.4	• 5									3.2	4.
SSW	1.0	1.0	• 2									2 • 2	4.
SW	1.1	1.3	• 2									2.6	4.
WSW	1.5	1.4	• 3						[3.2	3.
w	1.5	1.1	• 2	• 2	• 2	• 1						3.4	5.
WWW	, c	• 2	• 5	• 1								1.5	6.
NW	1.6	1.5	• 3	• 1		• 1						3.7	4 •
NHW	4.6	7.0	.6	.6	• 3							13.2	4.
VARM													
CALM	><	$\supset <$	> <	$\supset <$	> <	$>\!\!<$	><	><	><	$\supset <$	><	14.3	
***	21.5	31.0	18.3	11.8	1.5	. 6					, -	100.0	5.

TOTAL NUMBER OF OBSERVATIONS 930

SERVICE TAC A. LEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702136	MAMDOLPH AFB TX	70,73-81	JAN
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	U900-1100
	_	HOURS (L.S.T.)	
		CONDITION	-

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	3.2	3. 2	4.7	6.7	2.0	• 5						23.2	10.1
NNE	ر •	2.3	5.7	5.6	• 2	• 1						15.3	9.5
NE	.0	2.7	4.3	2.5	• 1							16.4	8.4
ENE	• 6	2.5	2.3	• 6								5.0	6.8
E	1.3	1.3	• 2	• 1								2.6	4.4
ESE	• 5	- 6	• 1									1.4	3,9
SE	2	• 6	• 3	• 2								1.4	6.5
SSE	• 3	_• 5	• 6	• 2								1.7	6.9
5	_1.3	3.0	2.3	1.1	• 2							7.8	7.1
SSW	1.2	1.6	1.1	. 4						I		4.3	5.7
\$W	1.5	. 8	. 9	• 2								3.3	5.2
wsw	1.1	2.2	1.8	. 3	• 1							5.5	6.4
W	. 6	1.6	. 5	• 2	• 2	• 2						3.4	7.5
WNW	1		• 1	. 4		• 2						• 9	14.3
NW	3	• 4	- 4	•2	• 1	•1						1.6	9.0
NHW	1.3	• 3	1.0	1.5	. 2	•1	•1	L				4.9	9.0
VARM													
CALM	$\triangleright <$	\times	$\supset \subset$	><	\times	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq <$	9.1	
	15.2	24.4	26.3	20.3	3.2	1.3	.1				I	100.0	7.4

TOTAL NUMBER OF OSSERVATIONS 930

SLIPAL CLIMATOLOGY BRANCH LAFETAC A. LEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

36 ° 36	ANDOLPH AFB TX	70.73-81		JAN
STATION	STATION NAME		YEARS	MORTH
		ALL WEATHER		1200-1400
		CLASS		HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	ာ	2.3	3.8	5.8	2.6	• 9						16.1	12.2
NNE	.9	2.2	3.9	5.3	• 1							12.3	9.5
NE	• 2	2.4	4.1	2.7								9.4	8.8
ENE	• 9	2.0	3.2	. 3	• 1							6.6	7.0
Ę	1.3	2.7	1.1									5.1	5.0
ESE	• 4	• 9	• 1									1.3	4.3
SE	.5	1.0	-8	• ?								2.5	5.8
SSE	. 3	1.1	1.1	• 3				l				2.8	7.1
\$	1.3	2.2	4.7	3.4	• 1	• 1						11.8	8.8
SSW	۲,	3.0	2.9	1.2	• 1							7.7	7.3
sw	• 5	1.9	2.9	1.0								6.3	7.6
wsw	• 3	1.6	1.8	. 9								4.6	7.7
w	. 3	• 8	• 5	• 5	. 3							2.5	9.4
WNW		• 5		• 5		•1			L			1.2	10.3
NW	2.	6	• 5	• 5	• 1	• 1	• 1		L			2.3	10.4
NNW	• 5	• B	. 8	• 9	• 1	4						3.4	10.5
VARBL													
CALM	\times	\times	$>\!\!<$	\times	\times	$>\!\!<$	$>\!\!<$	$\geq <$	$\geq \leq$	$\geq \leq$	>>	4 • 2	
	9.1	25.7	32.2	23.5	3.5	1.6	•1					100.0	8 • 5

TOTAL NUMBER OF OSSERVATIONS

SERVAL CLIMATOLOGY BRANCH UNIFETAC AIR MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

732536	RANDOLPH AFB TX	79,73-8	1	JAN			
STATION	STATION NAME		YEARS	MONTH 1500-1700			
		ALL WEATHER		1500-1700			
		CLASS		HOURS (L.S.T.)			

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	1.3	3.1	5.5	2.4	• 1						13.5	11.8
NNE	1.0	2.4	5.8	3.7								12.8	8.7
NE	1.2	2.7	3.4	2.3	• 3	• 1						10.0	8.
ENE	1.0	1.8	3.0	• 2								6.0	6 . :
E	1.3	2.9	1.6	• 1								6.5	5.
ESE	• 6	1.7	• 2									2.6	4 .
SE	•6	1.5	1.1	. 4								3.7	6.0
SSE	•5	1.0	1.4	• 6								3.5	7.
\$	1.2	3.7	5.3	2.5								12.6	7.
SSW	1.1	2.7	2.8	.6						I		7.2	6.
SW	• 5	3.7	2.5	.6								7.3	6.
wsw	•2	• 3	1.7	• 3								3.0	7.
W	.4	• 9	. 8	. 3	.2							2.6	7.
WNW		• 2	. 4	. 5	Ī							1.2	9.
NW	• 3	• 2	. 5	•2	•2	•1						1.6	9.
NHW	.2	• 6	1.2	1.1	• 3	, 4	• 1					4.0	11.
VAROL													
CALM	$\supset \subset$	\times	> <	> <	> <	$\supset <$	><	$>\!\!<$	$\supset <$	$\supset <$	$>\!\!<$	1.9	
	11.9	28.0	34.8	19.0	3.4	. 8	.1					100.0	8.

TOTAL NUMBER OF DESERVATIONS 930

SLIMAL CLIMATOLOGY BRANCH USAFETAC AIT JEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	SANDOLPH AFB TX	70.73-81	JAN
STATION	STATION NAME	YEARS	монти
		ALL WEATHER	1830-2003
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	1.0	2.7	3.4	4.2	. 4	. 4						13.1	9.6
NNE	1.1	2.2	4.6	3.9	• 1							11.8	9.0
NE	2.2	4.2	4.1	1.7					I			12.2	6.8
ENE	1.5	3.7	2.0	•1								7.4	5.4
ŧ	1.5	2.3	. 4						I			4.3	4.1
ESE	1.5	• 6	-1	• 2								2.8	3.9
SE	1.5	2.3	. 8	-								4.5	4.5
SSE	8.	2.5	1.9	.9								6.0	6.9
\$	2.4	4.4	1.5									9.3	4.8
SSW	2.2	3.0	• 3					[<u> </u>	_		5.5	4.0
SW	1.6	1.7	•2									3.5	3.8
WSW	• 3	1.2	• 2									1.7	5.0
w	. 9	. 9		•1								1.7	4.3
WNW		• 6										•6	4.5
NW	- 4	• 3	• 2	• 5	• 1							1.6	8.7
MW	. 8	1.5	1.1	•5	• 1						1	4.0	6.7
VARM													
CALM	\bowtie	\times	\times	\times	\times	\geq	\geq	\geq	\geq	\times	$\geq \leq$	10.9	
	20.3	34.0	21.0	12.2	. 8	.4						100.0	5.8

TOTAL NUMBER OF DESERVATIONS 930

GLORAL CLIMATOLOGY BRANCH CORETAC ATT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.7.24.36 STATION	MANDOLPH AFB TX	70,73-81	JAN
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2100-2300
		GLA98	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	3 • €	5.4	3.1	3.7	•6	•1						16.7	7.4
NNE	1.9	2.2	3.9	4.7	• 6							13.3	9.1
NE	1.0	2.5	3.2	1.7	• 1					L		3.5	8.0
ENE	1.4	3.1	1.1	• 2								5.8	5.2
R.	1.1	• 5	• 3									2.0	4.2
ESE	• 3	• 2	• 2	• 1								. 9	5.6
SE	• 6	1.3	• 5									2.5	5.1
SSE	•6	1.7	1.0									3.3	5 • 4
\$	2.6	4.4	1.7	•2								8.9	5.0
SSW	• 9	3.7	• 5									4.4	4 . 6
SW	1.3	1.5	. 4									3.2	4 . (
WSW	1.1	1.1	.1									2.3	3.9
w	. 5	. 9	• 2							L		1.6	4.6
WNW	• 2	. 3	• 5									1.1	5.7
NW	. 4	• 5	• 2	. 2								1.4	5 . 8
MIW	2.8	3.2	1.2	• 5	.4							0.2	5 . 6
YARRE													
CALM	\mathbb{X}	\times	>>	> <	$\supset \subset$	>>	\times	\times	\boxtimes	\geq	><	15.9	
	20.5	31.2	18.3	11.4	1.8	.1						100.0	5.4

TOTAL NUMBER OF OSSERVATIONS 930

CLISAL CLIMATOLOGY BRANCH USAFETAC ATH JEATHER SERVICE/MAC

المرازية والمحتوسية والما

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722:36	MANDOLPH AFB TX	70,73-81	
STATION	STATION NAME	YEARS	монтн
		ALL WEATHER	, ALL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.7	4.7	4.1	4.7	1.3	• 4						17.1	9
NNE	1.2	2.7	4.7	4.6	• 2	• C	L					13.5	9.1
NE	1.2	3.1	3.3	1.8	• 1	•0						9.5	7.
ENE	. 8	2.1	1.8	• 3	• 0							5.0	6.
E	1.0	1.4	• 5	•0								3.0	4.
ESE	• 5	• 5	• 1	•0								1.3	4.
SE	• 5	1.0	• 5	• 1								2 • 1	5.
SSE	. 4	1.1	1.0	• 3								2.8	6.
\$	1.5	3.1	2.4	1.0	.0	•0						8.3	6.
55W	1.1	2.2	1.1	• 3	• C							4.8	5.
SW	1.3	1.7	1.0	• 2								4.3	5.
wsw	• 0	1.3	• 9	•2	•0							3.3	5.
w	. 9	1.1	. 4	• 2	• 1	• G						2.8	6.
WWW	3	• 3	• 3	• 2		•0						1.2	7.
NW	.7	• ?	. 4	• 3	• 1	•1	•0					2.2	7.
NHW	2.4	3.5	1.0	.9	• 2	•1	•0					8.2	6.
VARBL											· · · · · · · · · · · · · · · · · · ·		
CALM	$\supset <$	>>	$>\!\!<$	$\supset \subset$	$\supset \subset$	$\supset \subset$	$\supset \subset$	$\supset <$	$\supset \subset$	$\supset \subset$	\mathbb{X}	10.8	
	17.6	30.0	23.6	15.3	2.1	.7	•0				_ _	100.0	6.

TOTAL NUMBER OF OBSERVATIONS 7440

GLERAL CLIMATOLOGY BRANCH FRETAC AT SEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772-36	HANDOLPH AFB TX	70.73-81	FER
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0000-0200
		CLASS	HOURS (L.S.T.)
			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	%	MEAN WIND SPEED
N	1.5	4.5	3.9	2.4	7							13.2	ε.Ω
NNE	1.7	2.1	1.9	3.0	• 1							6.7	8.4
NE	• 5	2.2	1.8	, 9								5.6	7.1
ENE	• 5	1.5	• 9	• 1								3.4	5.5
ŧ	• 4	• 8	. 9							L		2.1	5.9
ESE	. 4	. 7	• 5						L			1.5	5.5
\$E	٠,	1.4	1.1						L			3.4	5.2
SSE	1.4	2.9	1.9	. 4				<u> </u>				6.5	5.7
<u> </u>	3.2	6.1	4.5	.6	.1						Ĺ	14.3	6.0
S5W	1.3	3.7	.6	.2				<u> </u>				5.8	5.2
sw	1.2	1.7	• 5						ļ	<u></u>		3.3	4.4
WSW	1.7	. 9	. 4							L		3 • C	3.5
w	5	• 5	• 2	• 2						ļ		1.4	5.5
WHW	• 2	• 6	.9					L	<u> </u>			1.8	6.1
NW	. 6	1.2	. 8	. 1	-1		L					2.8	6.3
NNW	2.2	4.1	2.1	. 8	• 1				<u> </u>			9.3	5.9
VARBL		L	L				L	<u> </u>		L			
CALM	$\geq \leq$	\times	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	13.7	
	13.6	34.9	22.9	8.7	1.2							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 846

GLUPAL CLIMATOLOGY BRANCH TAFETAC AT AFATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772-36	ANDOLPH AFB TX	70.73-81	FED
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0300-0500
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR,	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 = 55	≥56	*	MEAN WIND SPEED
N	1.	5.3	4.5	2.8	.7	•2						10.3	5.2
NNE	• 3	2.8	3,1	3.2	• 4	• 1						10.5	8.7
NE	• 9	2.2	1.5	• 5								5.2	6.1
ENE	5	1.1	- 8	• 1					1	, ,		2.5	5.6
3	• 7	• 6	. 4	• 1								1.3	5.1
ESE		• 4		• 1								• 5	6.5
SE	• 4	1.1	. 4	• 2								2.0	6.1
SSE	• €	1.9	1.1									3.7	5.3
\$	1.3	4.4	3.3	• 2								9.7	5.6
SSW	2.1	1.9	.8									4.9	4.4
sw	1.1	1.4	• 2						i			2.7	3.8
WSW	2.4	2.1	. 4									4.9	3.7
w	1.8	1.5	•6	•1				Ī	Ī			4.0	4.5
WNW	• 5	• 2	•2	• 1								1.1	5.2
NW	. 9	1.5	• 1	• 1	• 1							2.8	4.9
NHW	3.5	4.9	2.4	.4	.7							11.5	5.9
VARBL													
CALM	><	$>\!\!<$	\times	\times	\ge	\times	\times	> <	\times	\geq	><	16.3	
	20.1	33.7	19.9	8.0	1.9	_, 4						100.3	5.2

TOTAL NUMBER OF OBSERVATIONS

SELMAL CETMATOLOGY BRANCH LAFETAC AL LEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 2 36	ANDOLPH AFB TX	70,73-81		FEG
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		<u> </u>
	<u> </u>	CLASS		HOURS (L.S.T.)
			_	
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.0	5.2	5.1	2.5	• 6							17.1	7.1
NHE	1.4	3. °	3.3	3.3	. 4							11.3	8.6
NE	• 7	2.2	1.5	. 7								5.2	6.7
ENE	1.2	2.1	• 7	• 2								4.1	5.1
£	• 5	1.1	. 4	.1								2 · 1	5.1
ESE	• 4	•6	• 1									1.5	3.5
SE		• 3	. 4									1.2	6.3
SSE	• 5	• 7	• 7									2.4	5.0
\$	1.1	4.4	3.0	. 5								6.9	6.1
SSW	. 7	2.4	• 2	• 1								3.4	4.6
\$W	1.5	1.8										3.3	3.7
WSW	1.7	1.3	• 6		. 1							3.7	4.5
W	1.9	2.5	. 7	. 4	• 1							5.6	5.1
WNW	. 6	.4	• 1	.1								1.2	4.1
NW	9	. 7	• 2	. 1								2.0	4.5
NNW	4.1	6.4	2.8	.6	• 2				I			14.2	5.4
VARBL													
CALM	\times	\times	>>	$\supset \subset$	>>	>>	><	$\supset <$		$\supset <$	> <	12.8	
	22.1	35.3	19.7	8.6	1.4							100.0	5.3

TOTAL NUMBER OF OBSERVATIONS 346

FLYHAL CLIMATOLOGY BRANCH

ATT LEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

<u>" 4 : 36</u>	ANDOLPH AFB TX	70.73-81	F£8
STATION	STATION NAME	YEARS	MONTH
	A t	L WEATHER	3939-1103
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	2.2	4.0	6.4	1.5							15.4	13.6
NNE	i • 1	2.1	€ 4	3.7	• 2	• 1						11.2	9.2
NE	<u>.</u> 4	3.5	2.5	1.4								7 . 8	7.4
ENE	1.5	2.7	2.0	• 1								€.4	5.6
E	. 9	2.6	• 7									4.3	4.9
ESE	• 6	• 8	5									1.9	5.0
SE	. 5	1.2	• 6	• 1								2 • 4	5.7
SSE	• 1	1.9	1.4	• 4								3.7	7.0
5	<u>ل</u> ا	2.5	4.1	2.0								7.1	8 • 4
SSW	• 4	3.5	4.4	. 8								9.3	7.3
\$W	• 4	2.8	3.3	• 1								5.6	6.6
wsw	• 5	2.5	1.9	. 8								5.7	6.9
w	• 5	1.3	1.7	• 1	• 1							3.7	3.6
WNW	4	• 1	. 4			• 1						. 9	7.6
NW	5	• 2	.6	• 6								1.9	8.1
NNW	.7	. 9	1.1	1.7	. 4							4.7	9.3
VARBL													
CALM	><	$>\!\!<$	$>\!\!<$	\times	\times	\times	> <	$\geq <$	$\geq <$	><	$\geq <$	5.1	
	2.9	31.2	33.1	13.2	2.2	• 2						120.3	7.5

TOTAL NUMBER OF OBSERVATIONS 846

LISAL CLIMATOLOGY BRANCH INFETAC AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

712 36	-ANDOLPH AFB TX	70.73-81	೯ ೯ ೪
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1250-1400
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 2	1.5	2.8	_ 6•0	1.9	•1						12.6	12.0
NNE	• 4	2.1	2.8	2.6	• 6							3.5	9.6
NE	• ₫	1.9	3.7	1,4	• 1							7.2	8.0
ENE	• 5	1.9	1.9	.4					I	I		4.7	6.9
E	• 6	2.4	2.1	• 5	• 1							5.7	7.1
ESE	• 4	1.2	• 5				L			l		2.0	5.2
SE	_ 9	2.3	1.1	. 4								4.4	5.8
SSE	• ~	1.4	1.1	. 8	• 1							3.7	8.1
S	1.4	2.7	6.9	4.1	. 5	1						15.7	9.1
\$\$W	• 4	1.7	5.6	2,4				l	L			9.9	8.8
sw	• 1	1.9	3.5	1.3							L	6.9	8.4
wsw	.5	1.1	1.4	1.1								4.0	8.0
w_	- 2	. 9	• 5	- 8	1	•1	.1					2.9	10.1
WNW	1	. 4		.2	• 2							. 9	9.4
NW	. 4	- 5	9	. 7	. 8	.2						3.5	11.7
NNW	. 2	• 2	1.2	2.0	• 5	• 1						4.3	12.0
VARBL											Ī		
CALM	\times	> <	$\supset <$	\boxtimes	> <	> <	><	$\geq \leq$	$\geq <$	$\geq \leq$	$\geq \leq$	3.1	
	7.4	23.9	35.2	24.7	5.D	• 7	.1					100.0	8.8

TOTAL NUMBER OF OBSERVATIONS

846

CLIMATOLOGY BRANCH
CRIFETAC
AT DEATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772436	SANDOLPH AFB TX			FEB
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1500-1700
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥36	*	MEAN WIND SPEED
N	• 5	1.7	4.6	6.1	1.1	•1						14.1	11.2
NNE	1	• 9	1.9	2.1	. 4							5.3	10.7
NE	• 3	2.2	2.6	• 5	• 1							6.3	7.1
ENE	•6	2.6	2.0	1.5	• 1							6.9	7.8
E	S.	3.4	• 9									5.2	5.2
ESE	•6	1.4	• 7									2.7	5.0
SE	_ • F.	1.3	8.	.7	• 1							4.3	6.9
SSE	. 9	2.2	3.0	1.9	- • 1							8.2	8.3
5	1.2	5.1	7.9	4.6	_ •1							18.9	8.4
SSW	•1	1.8	4.1	1.9								7.9	8.5
sw	•6	1.9	2.2	•1	• 1		_					5.0	7.0
wsw	• 2	• ⁹	1.7	. 8								3.5	8.4
w	.7	• 1	.8	• 7	• 2	• 1						2.7	9.8
WNW		• 1	•1	•2	• 1	• 2						• 8	15.1
NW		• 4	• 2	.7	•6							1.9	12.6
NNW	• 2	. 4	1.1	1.2	1.3	•1						4.3	13.1
VARBL								İ					
CALM	$\supset <$	$>\!\!<$	> <	$\geq <$	\times	\times	$\ge $	\geq	$\geq \leq$	\geq	\geq	2.1	
	8.3	26.7	34.8	23.2	4.4	•6						100.0	5.6

TOTAL NUMBER	QF	OBSERVATIONS	846

CLISAL CLIMATOLOGY BRANCH WINDETAC AT WEATHER SERVICE/MAC

SURFACE WINDS

TOTAL NUMBER OF OBSERVATIONS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.723.36	MANDOLPH AFB TX	70.73-81	FER
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1800-2000
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.2	3. າ	3.9	3.7	,7	• 1						12.4	9.5
NNE	• 2	1.2	2.1	2.6								6.1	9.5
NE	1.2	2.5	1.5	• 7	• 1	Ĺ						6.0	6.3
ENE	1.1	4.4	1.4	• 2								7.1	5.5
E	2.1	3.7	• 9									6.7	4.5
ESE	1.5	1.8	• 7	• 1								4.1	4.7
SE	1.3	4.1	2.7	• 5	. 1	•1						8.9	6.3
SSE	1.5	4.8	5.1	2.0	.1							13.5	7.2
5	3 . 3	7.4	2.8	. 7								14.3	5.3
SSW	1.4	2.1	_ • 6									4.1	4.9
5W	.7	. 8	• 1			L						1.7	4.0
WSW	ر ز	•5	• 2									1.2	4.4
*	. 6	. 7	• 5	. 4								2.1	6.6
WNW		• 1	. 4	•1								.6	9.2
NW	2	• 2	• 2	. 4				I				1.1	7.8
WMM	_ •6	1.4	1.3	. 8								4.1	7.3
VARBL													
CALM		><	$\supset \subset$	><	><	><	><	$\geq \leq$	$\supset <$	$\geq \leq$	><	5.8	
	17.5	38.3	24.5	12.2	1.1	• 2						100.0	6.2

TELEAL CLIMATOLOGY BRANCH USAFETAC AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

172136	MANDOLPH AFB TX	70.73-81	F£A
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> </u>
		CLASS	HOURS (L.S.T.)
		COMPLETON	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	2.5	4.1	2.8	2.7	• 9	•2		•1				13.5	8.5
NNE	1,4	2.7	2.0	2.8	•2							8.5	8 • 4
NE	. 8	2.2	3.1	• 5				L				6.6	6.7
ENE	• 9	1.4	• 6	• 1								3.1	5.1
E	1.7	2.4	• 2									3.9	4.1
ESE	, E	1.8	• 5	• 1								2.7	5.8
SE	1.1	2.7	2.0	• 6		• 1						5.9	6.7
SSE	• 6	5.4	4.8	• 6	• 1				I			11.6	7.0
\$	1.7	6.5	5.4	1.2								14.8	6.5
SSW	• 5	1.4	.4									2.2	4.8
sw	1.1	• 6	•1									1.9	3.3
wsw	.7	• 5										1.2	2.3
w	•6	• 8	• 1	• 2				L				1.8	5.1
WNW	• 2	. 4	• 6	• 1								1.3	6.5
NW	. 9	. 4	.4	.1								1.8	4.7
NNW	1.5	2.5	• 5	• 2	• 2							5.0	5.6
VARBL													
CALM	\times	\times	$\supset <$	><	> <	><	> <	$\geq <$	$\geq \leq$	\times	$\geq \leq$	14.5	
	16.2	34.4	23.5	9.3	1.5	4		. 1				100.3	5.7

TOTAL NUMBER OF OBSERVATIONS 846

USAFETAC 408M AL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

12.52

SECRAL CLIMATOLOGY BRANCH SERETAC AT REATHER SERVICE/MAC

SURFACE WINDS

I

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.72.36	-ANDOLPH AFB TX	70,73-81	FEF
STATION	STATION NAME	YEARS	MONTH
	AL	L_WEATHER	ALL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.6	3.5	3.9	4.1	1.0	•1		.0				14.3	9.3
NNE	• 0	2.3	2.6	2.9	. 3						I	3.8	9.5
NE	• 3	2.4	2.2	. 8								6.2	7.0
ENE	. 9	2.2	1.3	.4	• C							4.0	6.0
E	٩	2.1	. 8	•1	• 3							4.3	5.3
ESE	•6	1.1	.4	• 0								2.1	5.0
SE	• 7	1.9	1.1	• 3	• 0	•0]]	4.0	6.2
SSE	٤	2.6	2.4	. 8	• 1							6.6	7.0
5	1.7	4.9	4.7	1.7	• 1	• 0						13.2	7.1
SSW	• 9	2.3	2.1	.7								6.0	6.7
SW	. 9	1.6	1.3	• 2	.0							3.9	6.0
wsw	1.7	1.2	. 8	• 3	.0							3.4	5.7
w	. 9	1.0	• 6	. 4	•1	• 0	• 0		i			3.0	6.5
WNW	• 3	• 3	• 3	.1	.3	•0						1.1	7.4
NW	• 6	• 6	. 4	. 4	•2	•0		ļ ————				2.2	7.7
NNW	1.7	2.6	1.6	1.0	. 4	•0	<u> </u>					7.2	7.1
VARBL													
CALM	\times	\times	\times	\times	> <	\times	\times	\geq	\boxtimes	\times	\geq	9.1	
	15.0	32.3	26.7	14.1	2.3	. 3	.0	.0				130.0	6.6

TOTAL NUMBER OF OSSERVATIONS 6767

BLUFAL CLIMATOLOGY BRANCH LIFETAC AI REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.725.36	KANDOLPH AFB TX	70.73-81	MAS
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0000 -020 0
		CLASS	HOURS (L.S.T.)
		COMPLETION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	1.9	4.3	2.3	1.9	. 9							11.3	7.8
HME	1.9	2.5	3.3	3.5								11.3	8.1
NE	2.0	2.6	1.7	• 3	1			L	I			6.8	5.7
ENE	1.0	1.3	• 6									2.0	4.8
	1.2	1.4	.4									3.0	4.3
ESE	• 3	1.1	.4									1.8	5 • C
SE	• 9	1.7	2.9	•6	• 1							6.2	7.2
SSE	1.3	3.0	5.4	1.9		ļ —						11.6	7.7
\$	2.6	5.4	6.1	1.8		1				1		15.9	6.8
SSW	• 3	1.5	.6	i						T		2.9	4 . 8
sw	•6	1.4	• 3									2.4	4.5
wsw	• 5	1.3	• 2									2.0	4.6
w	• 5	• 5	• 3	•1								1.5	5.0
WNW	.6		.3	. 3								1.3	6.8
NW	1.1	•4	•2	• 3	•1	<u> </u>						2.2	5.9
NNW	1.7	3.8	1.3	.4	•1							7.3	5.7
VARBL			1			<u> </u>			t		T	1	
CALM	\times	\times	\times	\times	>>	>	\times	\times	\boxtimes	\times	\times	9.9	
	17.0	31.8	26.6	11.4	1.3							100.0	6.0

TOTAL NUMBER OF OBSERVATIONS

930

GLERAL CLIMATOLOGY BRANCH

AT TEATHER SERVICE/MAC

The year property on the section of the con-

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	-:ANDOLPH AFB TX	70.73-81	MAR
STATION	STATION NAME	YEARS	MONTH
		ALL_WEATHER	0300-0500
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N	2.2	4.6	2.9	2.2	• 9							12.7	7.8
NNE	2.9	2 . R	3.1	2.8			l					10.5	7.6
NE	1.3	1.0	1.3	• 3	• 1		l					4.9	5.9
ENE	. 5	1.2										1.7	3.9
E	1.1	1.7	• 1									2.9	3.9
ESE	• 5	1.2	. 4									2.2	4.7
SE	9.	1.9	1.8	• 2								4.7	6.0
SSE	دِ و	1.6	2.8	1.2								6.3	7.6
5	1.5	4.0	4.7	1.5								11.7	7.1
SSW	.8	2.0	1.3	• 1								4.2	5.9
SW	1.5	• 9	• 5									2.9	4.3
WSW	. 8	• 9										1.6	3.5
w	1.2	. 6	. 3	•1								2.3	4.6
WNW	. 6	1.0	. 4	•1	.1				I	I		2.3	6.1
NW	1.5	1.3	.6	.1	• 1							3.7	5.1
MW	3.0	5.8	2.2	. 3	•1							11.4	5.2
VAROL													
CALM	\times	\times	$\supset \subset$	$\supset \subset$	> <	><	><	$\geq \leq$	$\geq \leq$	$\supset <$	$\geq <$	13.8	
	20.0	33.4	22.6	8.9	1.3							100.3	5.4

	<u>-</u>	_ :	
OTAL	NUMBER OF	OSSERVATIONS	970

GLOBAL CLIMATOLOGY BRANCH SCAFETAC ATT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	PANDOLPH AFB TX	70,73-81	MAP
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2600-0800 HOURS (L.S.T.)
		CONDITION	HOUNG (E.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	44 - 55	≥54	*	MEAN WIND SPEED
N	3.5	4.3	4 • 1	2.5	•6							14.2	7.4
NNE	1.0	2.0	2.9	3.4								9.4	8.9
NE	1.3	2.5	1.9	• 3	• 1				L			6.2	6.1
ENE	1.3	1.5	. 4									3.2	4.4
E	1.2	2.2	• 3									3.7	4 . 5
ESE	1.0	• 6	• 9	• 1								2.6	5 • 3
SE	•3	. 8	1.5	. 4								3.4	6.8
SSE	- 8	1.3	2.2	. 9		• 1						5.2	8.0
5	1.1	3.3	3.7	• 9								8.9	6.8
SSW	1.1	1.6	. 4	• 2								3.2	5.2
SW	1.1	2.7	• 2								L	3.3	4.3
WSW	1.2	1.0	• 5									2.7	4.1
w	1.4	1.3	1.3					l			<u> </u>	4.0	5.0
WNW	4	1.2	.6	• 2				l				2.5	5.9
NW	7	. 3	. 8	2			<u> </u>	<u> </u>				2.6	5.8
MMW	2.8	5.3	2.2	1.0	• 2	• 1						11.5	6.1
VAROL	į								I				
CALM	\times	$\triangleright\!\!<$	$\geq <$	$\geq <$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	13.4	
	∠0.0	31.4	23.9	10.1	1.0	.2						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS

SECRAL CLIMATOLOGY BRANCH 1545ETAC AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.:2: 36	ANDOLPH AFB TX	70.73-81	MAR
STATION	STATION NAME	YEARS	MONTH
	_	ALL WEATHER	0900-1100
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
Z	• 2	2.4	2.9	4.8	• 9							11.7	10.4
NNE	• 5	1.4	2.0	5.3	• 1							9.4	10.5
NE	.0	2.9	1.6	2.9	• 3	• 1						6.7	9.0
ENE	.6	2.3	1.3	• 8								4.9	6.7
E	1.1	1.8	2.2	• 3								5.4	6.2
ESE	• 3	• 3	1.3	• 3								2.7	7.1
SE	.5	1.2	1.4	.9							Γ	4.0	7.6
3 5 E	1.0	1.2	2.5	2.5	• 1	-						7.2	8.8
S	. 5	3.2	6.3	3.8	• 3							14.3	8.7
SSW	.4	1.3	3.4	1.5	• 1							6.8	8.7
SW	•2		2.8	. 5								5.4	7.3
W5W	.6	. 9	1.4	•2	• 1							3.2	7.1
w	.3	. 8	1.1	. 4								2.6	7.6
WNW	• 2	• 4	• 6	.6	• 1							2.0	9.1
NW	.2	. 4	1.0	1.4	• 1				T			3.1	10.0
NNW	.5	. 6	1.5	1.7	. 4	•1						4.9	10.5
VARBL							-				1		
CALM	$\supset <$	\times	\times	\times	\times	\times	\times	\times	\boxtimes	\geq		3.7	
	8.9	23.3	33.3	28.0	2.6	• 2						100.3	8.4

TOTAL NUMBER OF OBSERVATIONS 930

SECRAL CLIMATOLOGY BRANCH Granetac Alm Jeather Service/Mac

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	RANDOLPH AFB TX	70.73-81	4 A P
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 5	1.2	3.7	3.5	9	• 1						9.9	10.9
NNE	• 2	• 5	1.9	2.3	1							5.2	10.2
NE	• 2	1.9	2.3	2.5	• 2							7.0	9.5
ENE	• 2	1.7	2.9	. 8								4.8	8.3
E	1.1	2.6	2.3	. 4								6.3	6.5
ESE	. 4	• 6	1.7	• 3								3.1	7.3
SE	• 3	1.0	2.5	1.7	• 1							5.6	9.1
SSE	•5	1.2	3.1	4.2	• 3							9.4	10.3
S	•6	2.6	6.3	6.7	• 1							16.3	9.7
SSW	9.	1.1	3.7	1.7								7.2	8.7
sw	• 2	1.4	2.3	• 2								4.1	6.9
wsw	• 5	1.6	. 9	• 3	• 1	•1						3.5	7.0
w	• 3	1.0	. 4	.8	.4	• 3						3.2	10.8
WNW		• 2	• 3	. 8	•6							1.9	13.7
NW	• 1	• 5	.6	2.6	• 3							4.2	11.9
NNW	• 2	1.3	1.5	1.7	• 8	• 1						5.3	11.0
VARBL					· · · · · · · · · · · · · · · · · · ·				1				
CALM	\sim	\times	\boxtimes	\times	\times	\times	\geq	\geq	\geq	\times	>>	2.9	
	6.3	19.4	36.3	30.4	4.0	.6						190.9	9.2

TOTAL NUMBER OF OBSERVATIONS 930

CL FAL CLIMATOLOGY BRANCH 2014FETAC AT VEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

732536	MANDOLPH AFB TX	70.73-81	440
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1500-1700
		GLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 2	1.4	3.2	3.4	•6	• 1		_				9.0	10.7
NNE	. 1	1.2	2.3	2.5	3							£.3	10.2
NE	• 1	1.0	1.9	2.3		• 1						5.4	9.7
ENE	. 5	2.0	2.0	1.0								5.6	7.1
E	• 5	1.6	2.0	• 5								4.7	7.2
ESE	د و	1.5	1.6	• 4								4.3	6.7
SE	.1	1.6	4.8	2.9	• 5							10.0	9.7
SSE	• 5	2.5	4.9	6.3	• 3							14.6	10.0
5	. 9	1.4	5.6	4.8	• 1			l .]			12.3	9.4
35W	• 2	1.6	2.9	• 9								5.6	8.3
SW	• 5	2.4	1.7	• 3								4.9	6.6
WSW	• 1	• 2	. 8	• 5	. 4	• 2				Ī		2.3	12.1
W	• 2	• 2	. 8	. 4	•2	.4						2.3	12.4
WNW	• 1	• 1	1.1	•6	• 1							2.0	10.5
WW	• 2	• 5	1.0	1.6	• 1	•1			i			3.5	11.1
NNW		. 5	1.1	2.6	_ •9							5.1	12.7
VARBL													
CALM	$\supset \subset$	> <	>>	\times	\times	\times	\times	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$	1.5	
	5.2	19.8	37.7	31.2	3.7	1.0						100.0	9.4

TOTAL NUMBER OF OBSERVATIONS 930

SELPAL CLIMATOLOGY BRANCH USFFETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.2536	FANDOLPH AFB TX	70.73-81	MAR
STATION	STATION NAME	YEARS	MONTH
	<u>AL</u>	L WEATHER	<u> 1</u> 936-2 <u>090</u>
		CLASS	HOURS (L.S.T.)
		CANALTICAL	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• ?	3.3	3.5	2.4	• 1							13.2	5.1
NNE	1.0	2.5	1.8	2.4	• 3							5.1	6.5
NE	• 3	3.7	1.2	1.7	• 1		{					7.5	7.4
ENE	1.0	1.7	1.6	• 3]			}	4.6	6.0
E	1.7	3.7	8	• 2								5.9	5.2
ESE	1.7	3.7	1.8	• 8							I	8.0	5.3
SE	1.4	4.5	6.3	4.4	• 1							16.8	8.3
358	• 5	1.8	6.6	4.2	• 2							13.3	9.3
\$	1.1	3.2	3.0	• 1								7.4	6.2
\$\$W	• 5	1.5	1.0	• 1								3.2	5.5
SW	• 8	1.4	• 5									2.7	4.8
wsw	•4	• 1	• 1	•1	• 1							• 9	6.6
w	• 3	• 9	. 4	• 3	• 2				1			2.2	7.8
WWW		4	.6	• 4	•1	•1	<u></u>					1.7	10.1
NW		• 3		• 3								.6	9.0
NNW	•1	• 9	1.3	1.1			<u> </u>					3.3	9.2
VARBL													
CALM	\searrow	\times	\times	\times	\times	\times	\times	\times	\times	\boxtimes	>><	3.5	
	11.2	33.7	30.6	18.8	1.3	.1						100.0	7.3

TOTAL NUMBER OF OBSERVATIONS

CL MAL CLIMATOLOGY BRANCH IMPETAC AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772536 _	SANDOLPH AFB TX	70,73-81	MAF
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2130-2300
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
×	1.	3.	2.6	2.2	• 3							9.3	7.9
NNE	1.7	2.3	1.9	2.4	. 4							6.7	8.2
NE	1.2	2.8	1.5	1.7								7.2	7.3
ENE	٥٠	2.3	• 5									3.7	4.7
E	1.9	1.9	1.0	1								4.9	4.5
ESE	1.1	1.5	1.5	• 2								4 • 3	6.1
SE	1.2	3.8	5.2	1.7		• 1						11.9	7.6
SSE	1.3	5.1	6.6	3.7	• 1							16.7	6.0
5	. 9	4.7	4.6	1.1	• 1	Ĺ						11.4	7.0
\$\$W	• 5	4	. 4									1.5	4.7
SW	• 2	5	. 4									1.2	5.6
WSW	. 3	• 3										1.1	3.8
W	• 3	1.1	• 3						L			1.7	4.9
WNW		• 3	. 4	. 4								1.2	9.1
NW	• 4	• 2	.1	.1	<u> </u>	•1			Ĺ	<u> </u>		1.3	7.8
NNW	1.1	3.1	. 6	. 4	•1	Ĺ	Ĺ		ļ			5.4	5.6
VARBL										L		<u> </u>	
CALM	><	$>\!\!<$	$\geq <$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\times	8.4	
	14.1	34.5	27.7	14.0	1.1	.2						100.0	6.5

TOTAL NUMBER OF OBSERVATIONS 930

SELBAL CLIMATOLOGY RRANCH CAPPETAC ATH DEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

PH AFB TX	70.73-81	MAR
STATION NAME	YEARS	MONTH
	ALL WEATHER	ALL
	CLASS	HOURS (L.S.T.)
·		
	PH AFB TX STATION NAME	STATION NAME ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.3	3.1	3.1	2•¢	.6	2.						11.1	ِه ن
NNE	1.1	1.7	2.4	3.1	• 2							€.5	8.9
NE	1.0	2.4	1.7	1.5	• 1	€. •						5.7	7.6
ENE	• 3	1.6	1.2	• 3								3.9	6.1
E	1.2	2.1	1.1	• 2						Ī —		4.6	5.5
ESE	• 6	1.4	1.2	• 3						ı		3.6	6.1
SE	• 7	2.1	3.3	1.6	• 1	•0						7.8	5.1
SSE	• c	2.2	4.2	3.1	• 1	•5						10.5	6.8
S	1.2	3.5	5.1	2.6	• 1							12.4	7.9
ssw	• 5	1.4	1.7	•6	• 3							4.3	7.2
SW	•5	1.5	1.1	• 1								3.4	5.9
wsw	.6	. 8	• 5	• 1	• 1	١.						2.2	6.4
w	• 5	• 8	•6	• 3	• 1	• 1						2.5	7.4
WNW	• 3	• 5	• 6	. 4	•1	• 3						1.9	8.3
NW	•6	• 6	• 5	. 8	• 1	• 0						2.6	8.6
NNW	1.2	2.6	1.5	1.2	• 3	•:						6.5	7.5
VARBL													
CALM	\times	\times	\times	\times	> <	\times	\times	\times	$\geq \leq$	\geq	\geq	7 • 1	
	13.2		29.9	19.1	2.0	• 3						100.0	7.2

TOTAL NUMBER OF OBSERVATIONS 7440

GLERAL CLIMATOLOGY BRANCH DESTRETAC 4" DEATHER SERVICEZMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	ANDOLPH AFB TX	70,73-81	APR
STATION	STATION NAME	YEARS	MONTH
	A	LL HEATHER	<u> </u>
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.4	4.4	1.1	1.7								9.7	5.9
NNE	1.3	2.6	2.0	• 8								6.7	6.4
NE	٩	• 9	1.8									3.4	6.1
ENE	• 6	• 9	. 4									1.9	4.8
E	• 5	1.3	.6									2.7	5.0
ESE	1.1	1.7	. 8									3.6	4.7
SE	2.3	6.0	3.0	.6								11.9	5.7
SSE	2.4	6.7	7.0	1.9	• 2		• 1					18.3	7.0
5	1.9	5.6	4.8	1.2	• 1							13.4	6.7
SSW	-1	1.3	• 4	• 2								2.6	6.4
sw	1.3	1.)										2.3	_3.3
WSW	• 2	. 4										• 7	3.7
w	1	. 4	. 3									. 9	5.4
WNW	•1	. 3										.4	4.0
NW	. 9	1	. 6	• 1								1.7	5.0
NHW	1.0	4.2	. 8	. 4	• 1	L						7.4	5.3
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$>\!\!<$	$>\!\!<$	\times	$>\!\!<$	\times	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	12.4	
	15.2	38.3	23.6	6.9	. 4		. 1					130.0	5.3

TOTAL NUMBER OF OBSERVATIONS 900

SUCHAL CLIMATOLOGY BRANCH COAFETAC All SEATHER SERVICEZMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

ANDOLPH AFB TX	70,73-81	APR
STATION NAME	YEARS	MONTH
	ALL WEATHER	<u> </u>
	CLASS	HOURS (L.S.T.)
	CONDITION	
	: ANDOLPH AFB TX STATION NAME	STATION NAME ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	3.7	5.9	3.1	1.6	. 2							14.4	6.1
NNE	۽ د	2.3	2.7	1.1	• 1							7.0	7.5
NE	1.5	1.7	1.1	. 4			I					4.6	5 • 8
ENE	•4	1.1		• 1								1.7	4 . 5
E	۰٥	1.4	. 8									3.0	5.0
ESE	1.1	1.6	1.0		• 1							3.8	5.4
SE	1.8	3.7	1.6	• 1								7.1	5.1
SSE	1.6	4.6	4.6	• 7								11.3	6.5
5	2.1	5 • ⁸	3.8	1.4								13.1	6.2
55W	• 4	1.6	•6	• 1								2.7	5.4
5W	1.0	•6	• 1	• 1								1.8	4
wsw	1.0	.4	• 3									1.8	4
W	•6	.4	.7									1.7	5.1
WNW		• 1	• 2	• 1								.8	5.9
NW	.9	• 6	• 2	• 2								1.9	5.0
NNW	2.7	6.1	1.7	• 1								10.6	4.9
VARBL													
CALM	$\supset \subset$	\times	> <	>>	\times	\mathbb{X}	$\supset \subset$	X	> <	$\supset \subset$	\times	12.9	_
	20.4	37.8	22.3	6.1	. 4							100.0	5.7

TOTAL NUMBER OF OBSERVATIONS 900

BLCBAL CLIMATOLOGY BRANCH LTAFETAC ATT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

732536	ZANDOLPH AFB TX	70.73-81	APR				
STATION	STATION NAME	YEARS	MONTH				
	ALL WEATHER						
		CLASS	HOURS (L.S.T.)				
		CONDITION					

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	244	*	MEAN WIND SPEED
N	4.3	4.1	3.6	2.0	. 1						İ	1+.1	6.2
NNE	1.2	2.4	4.2	. 7								E • 6	7.1
NE	1.0	2.0	2.3	-8	• 1							0.2	7.0
ENE	1.1	1.7	•7	• 3								3.9	5.4
E	1.6	1.3	. 9	• 1					†	1		3.9	4.9
ESE	2.1	1.6	1.1								† 	4.9	4.5
SE	1.3	3.4	3.2	•2								8.2	6.2
SSE	1.0	4.9	4.0	•6			1			1		15.4	6.4
\$	- 9	3.7	4.4	• 7								9.6	7.0
SSW	• 3	1.2	. 4	•2			 			1		2.2	6.2
SW	• 8	1.2	• 3			1	1		1		†	2.3	4.2
W\$W	<u>3</u> •	1.2							† · · · · ·			2.0	3.7
w	1.3	1.1	• 1				†			† · · · ·		2.6	3.4
WNW	- 4	. 4		• 3				† — — —			<u> </u>	1.2	6.0
NW	-4	. 4	. 4									1.3	5.5
NNW	2.1	3.7	1.4	. 4	•2				†			7.9	5.8
VARBL									 	 	 	† · · · · ·	
CALM	\boxtimes	\times	\times	X	$>\!\!<$	> <	\times	>	\geq	\times	>>	10.9	
	20.7	34.4	27.2	6.3	. 4							100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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LLIPAL CLIMATOLOGY BRANCH

SURFACE WINDS

AFETAC A STATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.12 36	ANDOLPH AFB TX	70.73-81	APR
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> </u>
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• ',	1.4	3.9	3.2	• 3							9.4	9.8
NNE	. 4	• 3	3.2	3.4								7.9	10.2
NE	• 7	1.4	2.6	1.6	• 2							6.4	8.5
ENE	1.2	1.4	2.4	. 4								5.9	6.5
E	1.2	3.	1.4	. 4					L			6.1	5 • 8
ESE	,	1.7	2.6		• 1			I	Í			5.0	6.6
SE	1.1	2.5	2 • 2	1.9	• 2		I	I				8.0	7.8
\$\$£	.7	2.3	8.6	4.1	• 1							15.8	9.1
\$. 7	4.8	8.3	3.9	•6							18.2	8.8
SSW	• 9	• 9	2.6	• 8								5.0	7.9
SW	• 1	1.4	• 6	• 2								2.3	6.6
wsw	• 3	• 8	•1	• 1								1.3	5.4
w	• 3	• 3	.4	• 2								1.3	6.6
WWW			. 4	• 1	• 1	•1						.8	12.3
NW		• 3			• 2							• 6	11.4
NNW	•1	• 7	• 8	1.2	•6	• 3						3.7	12.0
VARSL													
CALM	$\geq \leq$	> <	$\geq \leq$	$\geq \leq$	> <	> <	> <	\ge	$\geq \leq$	$\geq \leq$	><	2.2	
	3.9	24.2	40.1	21.7	2.4	. 4						100.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH OF SETAC ATT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

774536	-ANDOLPH AFB TX	70.73-81	APP
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1230-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	46 - 55	≥56	*	MEAN WIND SPEED
N	۲.	2.1	2.7	2.4	. 4							7.9	9.6
NNE	• 1	1.3	2.3	1.7	• 1							5.6	8.0
NE	• 3	1.6	1.9	1.8					Ī			5.6	8.
ENE	. 7	1.4	1.8	. 4								4.3	6.
E	1.1	1,0	2.1	•1								5.2	6.
ESE	.7	2.0	1.8	. 7			[5.1	6.1
SE	1.1	3.9	4,3	1.9	• 1							11.3	7.0
SSE	. 8	3.4	9.8	5.2	. 4							18.7	9.
\$	1.1	4.7	9.7	5.1	1							20.7	8,0
SSW	2	1.6	2.0	• 3								4.1	7.
sw	. 4	1.2	•2	•1				L				2.0	5.4
W5W	. 1	4	. 6									1.1	6.
w	. 1	, 3	. 2									, 7	5.1
WNW	• 2	. 1	<u> </u>	. 8								1.1	9.1
NW		• 1	. 4	•2	• 1			L				. 9	10.
NWW	• 3	1.0	. 9	1.0	1.2							4.4	11,6
VARBL													
CALM	$\supset <$	\times	$\supset <$	\times	$\nearrow \nearrow$	\times	$\supset <$	\boxtimes	$\supset <$	$\supset <$	><	1.3	
	7.6	27.1	39.7	21.8	2.6							100.0	8.

TOTAL NUMBER OF OBSERVATIONS 900

GLURAL CLIMATOLOGY BRANCH US/FETAC AT JEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722136	PANDOLPH AFB TX	70.73-81_		APR
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1500-1700
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 4	1.3	2.2	2.1	. 8							6.9	10.2
NNE	• 3	2.7	1.9	• 8	• 1						L	5.6	7.3
NE	• 3	. 7	1.6	1.2								3.3	9.1
ENE	. 4	1.7	2.6	. 4						l		5.1	7.1
E	1.0	2.4	2.9	• 6								6.9	6.9
ESE	• છે	2.1	3.3	1.2				I	i			7.4	7.5
SE	1.1	3.2	7.1	5.3								16.8	8.9
SSE	1.2	4.7	11.0	5.4	.4							23.8	9.1
5	1.2	3.4	3.6	2.3	• 1	• 1						10.8	7.9
SSW	- 4	• 8	- 8	• 2					I		l	Z•2	6.6
\$W	.6	. 9	•1									1.6	4.1
wsw	• 1	• 2		• 1								4	6.0
w		• 7	•6	,1								1.3	6.6
WNW		• 2	. 4	• 2			L					• 9	8.4
NW			.7	. 4	•2							1.3	12.2
NNW	• 1	• 1	1.3	• 7	.7				I			2.9	11.9
VARBL													
CALM	><	$\supset <$	><	> <	>>	\times	> <	$\geq \leq$	$\geq \!$	$\geq \leq$	$\geq \leq$	2.3	
	3.6	24.4	40.0	22.2	2.3	.1						100.0	8.2

TOTAL NUMBER OF OBSERVATIONS 900

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.225.36	MANDOLPH AFB TX	70.73-81	APR			
STATION	STATION NAME	YEARS	MONTH			
	ALL	ALL WEATHER				
		CLASS	HOURS (L.S.T.)			
		CONDITION				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	.4	2.2	• 9	1.7	. 3							5.6	8.9
NNE	.7	2.0	1.8	. 4								4.9	6.3
NE	. 7	2.9	2.8	. 8						L'		7.1	6.8
ENE	1.1	2.0	• 9	• 1								4.1	4.9
£	2.5	4.4	1.3	•2								8.6	4 . 8
ESE	2.3	2.2	3.7	•6								8.8	6.2
SE	2.3	7.8	10.6	4.7	• 1							25.9	7.6
SSE	1.2	3.8	9.9	4.6	. 4	• 1						20.0	8.7
\$. 3	2.1	1.3	• 6								4.3	6.9
\$5W	• 2	• 7		• 1								1.0	5.2
SW	• 1	• 2										• 3	4.0
wsw	I									I			
w	.1	• 1	•1									.3	5.7
WHW		• 1									Γ.	• 1	6.0
NW		• 2	•1	• 3	• 3							1.0	12.7
NNW	2	. 4	1.0	•7	.2							2.6	9.6
VARBL												I	
CALM	\bowtie	\mathbb{X}	$\supset \subset$	$\supset \subset$		>>	$\supset <$	$\supset <$	$\triangleright <$	$\supset \subset$		5.4	
	12.8	31.2	34.3	14.7	1.4	.1						100.0	6.9

TOTAL NUMBER OF OBSERVATIONS 900

GLCBAL CLIMATOLOGY BRANCH GTAFETAC ATE WEATHER SERVICE/MAC

المرازمات والماد المتحدد المتحصوبهم للمحا

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

77.73-81 APP
STATION STATION NAME TO .73-81 YEARS MONTH

ALL WEATHER 2100-2300

CLASS MOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1.7	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.4	2.6	. 8	1.2	• 3							7.3	6.4
NNE	1.7	2.3	1.3	• 6								5.9	5.1
NE	1.1	2.1	1.2	. 4								4.9	5.
ENE	1.0	1.3	.9	• 1	[3.0	5.
E	1.1	2.9	1.1	• 1]			5.2	5.0
ESE	1.4	1.2	2.2	• 3								5 • 2	6.2
SE	1.7	7.0	7.8	2.3	•1	•1						19.0	7.1
SSE	1.4	9.7	12.0	2.7	•2		.1					26.1	7.
5	.9	3.4	1.2	.7								6.2	6.
SSW		.7										•7	4.
SW		• 4				1						.4	5.
wsw		• 2										• 2	4.
w	.2		• 1						1			• 3	4.
WNW	•2	•2	• 2				1			1		• 7	4.
NW		• 1	• 1		•1		<u> </u>	1				• 3	10.
NNW	.7	1.8	• 7	.4	• 3							3.9	7.
VARBL				 	 	 			· ·				
CALM	> <	> <	> <		>>	>>	> <	\sim	>>		> <	10.6	
	13.9	35.7	29.7	8.9	1.1	•1	. 1					100.0	6.

TOTAL NUMBER OF OBSERVATIONS

900

CLOHAL CLIMATOLOGY RRANCH PRAFETAC AT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7:2:36	PANDOLPH AFB TX	70,73-61	APR
STATION	STATION NAME	YEARS	MONTH
	ALL	ALL	
		CLASS	HOURS (L.S.T.)
		COMPLETION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 35	≥54	%	MEAN WIND SPEED
N	1.8	3. ↑	2.3	2.0	• 3							9.4	7.5
NNE	• 9	2.0	2.4	1.2	•0							6.5	7.5
NE	• 8	1.7	1.9	. 9	•							5.2	7.3
ENE	• 3	1.4	1.2	• 2						Ĭ		3.7	5.9
E	1.3	2.3	1.4	• 2								5.2	5 • 5
ESE	1.3	1.7	2.1	. 3	• 0				L			5.5	6.2
SE	1.7	4.7	5.0	2.1	• 1	6						13.5	7.3
SSE	1.3	5.0	8.2	3.3	• 2	•0	• 🛈					18.1	8.1
\$	1.1	4.2	4.6	2.0	• 1	.0				<u> </u>	<u> </u>	12.0	7.6
ssw	• 3	1.1	. 8	• 2				L				2.6	6.7
sw	• 5	. 9	• 2	• 1							L	1.6	4.7
WSW	• 3	• 5	•1	.0								.9	4.6
w_	. 3	. 4	. 3	. 0								1.1	5.2
WNW	• 2	. 2	• 2	. 2	• 0	.0						.7	7.6
NW	. 3	. 2	• 3	.2	• 1				L			1.1	8.1
NNW	1.0	2.2	1.1	•6		•3				<u></u>		5.4	7.4
VARBL													
CALM	$\geq \leq$	\times	$>\!\!<$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	7.3	
	13.9	31.7	32.1	13.6	1.4	.1	.0					130.0	6.7

TOTAL NUMBER OF DESERVATIONS 7200

SERBAL CLIMATOLOGY BRANCH USAFETAC ATH REATHER SERVICE/MAC

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SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.225.36	RANDOLPH AFB TX	70.73-81	MAY
STATION	STATION NAME	YEARS	МОПТИ
		ALL WEATHER	0000-0200
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.7	4.0	2.2	. 5	• 3							10.6	5.5
NNE	1.3	1.6	•6	• 5								4 - 1	5.6
NE	• ?	• 8	. 9	• 2								2.7	5.7
ENE	1.8	1.1	.4	• 1								3.4	4.1
E	1.8	1.1	• 5	• 1			i					3.5	4.2
ESE	2.5	1.5	•6			Ī						4.6	4.0
SE	2.4	4.7	1.9	• 1					1			9.1	5.1
\$\$E	1.8	8.7	5.4	.8								15.9	6.2
\$	2.8	5.9	5.4	.6								14.7	5.9
SSW	•6	1.4	• 5	l								2.6	5.2
sw	• 8	• 9	• 3									1.9	4.4
wsw	• 3	• 1	•2		•1							.8	7.3
w	• 2	• 5	• 1									• 9	4.6
WNW	•1	• 2					1					• 3	4.3
NW	•2	• 3										• 5	3.8
NWW	2.3	4.0	.6	•1	<u> </u>		-		1			7.0	4.3
VARSL				<u> </u>							 	1	
CALM	\times	\times	\times	\times	\geq	\times	\geq	$\geq \leq$	$\geq \leq$	\geq	\geq	17.2	
	23.4	36.0	19.8	3.1	.4							100.0	4.4

TOTAL NUMBER OF OSSERVATIONS 930

GL RAL CLIMATOLOGY BRANCH W. FETAC AND REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

172:36	MANDOLPH AFB TX	70,73-81	
STATION	STATION NAME	YEA	RS MONTH
		ALL WEATHER	<u>0300-0500</u>
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N.	4.2	3.9	2.4	• 3	• 1							10.9	4.8
NNE	1.4	1.9	1.4	. 8								5.5	6.3
NE	1.5	1.2	• 6	4								3.8	5.1
ENE	1.2	1.3	. 4	• 2		• 1			}			2.9	5.3
E	1.9	2.7	• 5	• 2								4.7	4.4
ESE	2.7	1.5	• 3							l		3.9	3.7
SE	2.3	3.7	1.6	• 1	• 1_							7.7	5.2
SSE	1.3	6.1	3.4	• 3								11.2	5.8
S	1.3	7.0	4.5	.6								14.0	5.9
SSW	. 4	1.6	• 2									2.3	4.8
sw	. 3	• 6	.1									1.1	4.7
wsw	• 2	• 9	3									2.0	4.2
w	• 2	3	• 2	1								• 9	6.6
WNW	• 1	•1	. 3							Ī		. 5	6.4
NW	8	. 4	• 1	.1								1.4	4.1
NNW	_ 3.0	5 • 2	.6	• 1					<u> </u>			5.9	4.1
VARBL													
CALM	$\triangleright \!$	> <	$\supset \subset$	><	$\supset <$	$\supset <$	$\triangleright <$	$\geq \leq$	$\triangleright <$	$\geq <$		18.4	
	23.3	37.4	17.2	3.3	. 2	.1						190.0	4.2

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

BELFAL CLIMATOLOGY BRANCH BESTAC AT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.724.36	RANDOLPH AFB TX	70.73-8	1	MAY
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		<u> </u>
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.8	4.5	2.4	1.5	• 2							_11.8	6 • 5
NNE	1.0	2.2	1.0	1.5	• 2							5.8	7.6
NE	1.3	1.2	1.2	1.0								4.6	7.0
ENE	1.3	1.7	. 8	• 1								3.9	4
E	1.7	2.3	. 6									4.5	4.
ESE	1.3	1.8	• 3						[3.4	4.
SE	2.3	3.9	2.4		• 1							8.6	5.
SSE	2.3	5.5	4.4	. 4	• 1							12.7	5.
S	2.4	6.2	4.7	1.0								14.3	6.
SSW	• 8	1.9	• 8									3.4	5.
SW	1.2	• 9	• 2									2.3	3.
WSW	. 8	• 6	• 1									1.5	_ 3 •
w	. 4	• 9	• 1									1.4	4.
WNW	• 5	• 1	• 2									• 9	4.
NW	•2	• 3	• 5	• 1								1.2	6.
NNW	3 • 1	2.8	1.7	• 1								7.0	4.
VARBL											·		
CALM	\times	\times	\times	\times	\times	\times	\geq	\times	\geq	\searrow	\times	12.6	
	24.2	36.2	20.6	5.7	.6							100.0	4

TOTAL NUMBER OF OBSERVATIONS 930

ULVPAL CLIMATOLOGY BRANCH 17752TAC 41 NEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772936	ANDOLPH AFB TX	70.73-61	MAY
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	3900-1105
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4	• ?	2.8	1.8	• 1							b • 5	8.8
NNE	• 3	1.5	1.2	2.3	L				I			5.7	5.7
NE	• 5	2.	2.3	1.1	• 2							0.1	7.8
ENE	1.3	2.3	1.8	• 5	• 1]		6.0	6.3
E	1.5	3.4	1.6	• 2]			6.9	5.4
ESE	• 4	2.0	1.2	• 1								3.8	6.2
SE	8	3.5	3.7	1.0								8.9	7.0
SSE	1.0	4.7	7.0	1.6								14.3	7.6
\$	1.7	6.2	10.0	4.6	• 2							22.5	6.1
55W	. 9	2.5	1.0	. 4	I							4.7	6.1
SW	_ • 5	1.9	1.3									3.€	5.5
wsw	• 1	• 3	• 3									. 8	5.4
W	- 4	• 5	• 3									1.3	4.9
WHW	. 2	• 1	• 1							I		.4	4.3
NW	3	- 5	• 2	. 6								1.7	8.2
NNW	.6	• 2	. 4	•6								1.9	7.3
VARSL]		
CALM	><	$\geq <$	$\geq <$	$\geq <$	\boxtimes	\geq	\geq	$\geq \leq$	\geq	\geq	$\supset <$	4.4	
	11.9	32.9	35.2	14.9	.6							100.0	7.3

TOTAL NUMBER OF OBSERVATIONS 930

JELBAL CLIMATOLOGY BRANCH LIFETAC 41 REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772536	KANDOLPH AFB TX	70.73-81	70,73-81			
STATION	STATION NAME		YEARS	MONTH		
		ALL WEATHER		1200-1400		
		CLASS		HOURS (L.S.T.)		
		CONDITION				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 2	1.2	2.3	1.2	• 3							5.2	9.4
NNE	• 5	- 8	2.0	1.7	• 2							5.3	9.3
NE	• 5	1.4	1.9	1.7					<u> </u>			5.6	8.6
ENE	• 5	2.6	1.2	• 8]	5.3	6.6
E	1.2	3.3	1.9	.1								0.6	5.8
ESE	• 6	3.5	2.9	• 2								7.3	6.3
SE	· r	4.6	5.8	1.0								12.2	7.1
SSE	• 5	3.4	9.6	3.2	• 1							16.9	8.4
5	1.3	4.0	9.4	3.8								19.4	8.1
SSW	1.1	1.7	2.0	. 8								5.6	6.5
sw	1.0	• 3	• 8									2.5	5.2
wsw	• 2	• 3	• 3									• 9	6.0
w	, r,	• 2	• 1									• 9	4.0
WNW	• 1		• 1	. 4								• 6	10.8
NW		• 2	• 3	• 1								. 6	8.5
NNW	. 4	• 2	1.3	• 5							l	2.5	8.2
VARBL													
CALM	$\geq \leq$	$\geq \leq$	\times	\ge	$\geq \leq$	>>	$\geq \leq$	\times	$\geq \leq$	\boxtimes	$\geq \leq$	3.3	
	9.9	28.8	41.9	15.5	. 6							100.0	7.4

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC FORM AL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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SECTAL CLIMATOLOGY BRANCH SECTAC AL MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.22.36 STATION	ANDOLPH AFB TX	70.73-81		MAY
STATION	STATION NAME		YEARS	MONTH
		ALL MEATHER		1500-1700
		CLASS		HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	, ?	1.2	2.3	1.1	• 2	• ?						5.3	9.6
NNE	• 1	1.2	2.2	1.3	- •1							4.7	8.8
NE	. 14	2.3	1.8	57								5 • 1	6.9
ENE	• b	2.3	2.4	• 3	• 1_							5.7	6.7
E	1.2	4.0	3.2	• 1						·		9.5	5.7
ESE	, S	3.7	3.7	1.3								9.2	7.5
SE	1.4	4.3	9,4	2.8								18.4	7.8
SSE	1.1	4.2	9.6	3.8								18.6	8.6
S	. 3	3.4	6.5	1.9	-1							12.8	7.8
SSW	-4	1.0	1.2	. 3								2.9	6.6
sw		• 6	•2									1.1	5.1
wsw	• 2	• 2	• 2									• 5	4.7
w	• 1	• 2	. 1	• 1	• 1							6	9.0
WNW		• 1		• 1								. 4	6.3
NW		• 1	. 4	• 6	• 1							1.3	11.5
NNW	• ?	. 6	• 9	. 4								2.2	7.6
VARBL													
CALM	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$>\!\!<$	> <	$\supset <$	$\geq \leq$	$\geq \leq$	\ge	$\geq \leq$	1.4	
	3.2	30.9	43.0	14.7	. 8	2						100.0	7.6

TOTAL NUMBER OF OBSERVATIONS 930

BERBAL CLIMATOLOGY BRANCH STAFFTAC AT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

701 36	SANDOLPH AEB TX	70.73-81	MAY
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1830-2003
		CLASS	HOURS (L.S.T.)
	 	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2	1.3	1.1	1.1	.1							3.3	8.9
NNE	• 9	1 <u>.</u> n	2.3	• 6								4.7	7.5
NE	1.5	1.9	1.7	. 9								6.0	6.5
ENE	1.3	2.9	1.0									5.7	4.5
£	2.8	5.0	1.1	• 3								9.2	4.7
ESE	3.2	5.6	3.6	• 5								12.9	5.6
SE	3.1	9•0	10.5	3.0								25.6	7 - 1
SSE	1.5	6.4	6.8	2.5	• 2				I			17.5	7.4
5	• 5	2.3	1.4							I		4 • 3	5.7
SSW	.4	• 8	• 3									1.5	4.7
sw	Ĭ	• 1	• 1			[I					• 2	6.0
wsw	• 1											• 1	2.0
w	• 1											• 1	3.0
WNW				• 2								• 2	14.0
NW	• 1	•1	• 2	•1								• 5	8.4
NHW		• 2	• 8	• 3								1.3	8.6
VARBL													
CALM	$\supset <$	$\supset <$	$\supset <$	$\triangleright <$	$\supset <$	$\supset <$	$\triangleright <$	$\geq <$	$\supset <$			6.3	
	16.6	36.5	30.7	9.6	. 3							100.0	6.1

TOTAL NUMBER OF OBSERVATIONS

GLOBAL CLIMATOLOGY BRANCH TOFETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772536	RANDOLPH AFB TX	70,73-81	MAY
STATION		ALL WEATHER CLASS	2100-2300 Hours (L.S.T.)
		CONDITION	noons (c.s.i.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.3	2.2	• 6	. 9								5.0	5.9
NNE	1.5	1.9	1.0	. 4							l	4.9	5.5
NE	2.5	2.5	. 9	• 1								5.9	4.3
ENE	1.0	1.1	• 5					1	I			2.6	4.5
E	3.0	1.5	• 5									5.1	3.6
ESE	1.4	3.2	1.8	. 4		.1						7.0	6.2
SE	2.4	7.9	6.3	• 8								17.3	6.2
SSE	2.2	9.3	9.8	2.3	• 2							23.7	7.0
S	1.3	3.0	3.5	• 3								ಕ.2	6.2
SSW	• 3	. 8			_							1.1	4.1
sw	• 2	• 3										• 5	3.8
WSW		• 1	• 1									•2	7.0
w		• 2	• 1									• 5	4 . 2
WNW		• 2										• 2	4.0
NW	. 3	• 2								-		• 5	3.6
HHW	•6	1.8	• 5	• 1								3.1	5.3
VARBL						1							
CALM	><	><	><	><	> <	> <	$\supset <$	$\supset <$	$\supset <$			14.1	
	18.2	36.2	25.8	5.3	• 2	.1						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS 927

GETBAL CLIMATOLOGY BRANCH GSAFETAC ATH GEATHER SERVICEZMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	RANDOLPH AFB TX	70.73-81	МАУ
STATION	STATION NAME	YEARS	МОНТН
	<u>~·</u>	ALL_WEATHER	ALL
		CLASS	HOURE (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.8	2.3	2.0	1.0	• 2	ָם						7.4	6.
NNE	• 9	1.5	1.5	1.1	• 1							5.1	7.
NE	1.1	1.7	1.4	.7	0							5.0	6.
ENE	1.2	1.9	1.1	. 3	•	• 0	Ī	I				4.4	5.
E	1.9	2.9	1.3	.1								6.3	4.
ESE	1.5	2.9	1.8	• 3		• 🗇						6.5	5.
SE	1.9	5.3	5.2	1.1	•0							13.5	6.
SSE	1.5	5.9	7.0	1.9	• 1							16.3	7.
5	1.6	4.9	5.7	1.6	•0							13.8	7.
SSW	• 6	1.5	. 8	• 2								3.0	5.
SW	• 5	.7	. 4									1.6	4.
WSW	• 3	• 3	• 2		0							.9	4.
w	• 3	• 4	. 1	•0	•0							.8	5.
WNW	• 2	• 1	• 1	• 1	_							• 5	6.
NW	• 2	• 3	• 2	• 2	•0							1.0	7.
NNW	1.3	1.9	• 8	• 3								4.2	5.
VARBL												1	
CALM	$\supset \subset$	$>\!\!<$	> <	\times	\times	\times	$\supset <$	$\supset <$	$\supset <$	$\supset <$	> <	9.7	
	17.0	34.4	29.4	9.0	. 5	.1		*	3			130.0	5.

TOTAL NUMBER OF OBSERVATIONS

7434

SLAFAL CLIMATOLOGY BRANCH UNATETAC AIN REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702036	BANDOLPH AFB TX	69-70,73-80	
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> 5000-020</u> 0
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	2.7	2.1	. 4	•2								5.4	4 • 1
NNE	1.1	1.1	. 7	• 2								3.1	5.1
NE	• 3	• 8	1.2	• 1								2.4	6.7
ENE	. 3	• 3		• 1								• 8	5 • O
E	1.3	• 4	• 1									1.9	3.1
ESE	1.6	1.0	• 2									2.8	3.7
SE	2.6	4.8	2.9	. 4								10.7	5.5
SSE	4.0	8.4	8.2	1.9								22.6	6.4
S	3.7	5.8	9.0	1.8								20.2	6.8
SSW	1.1	1.4	• 3	• 2		<u> </u>						3.1	4.7
sw	• 8	1.0										1.8	3.5
WSW	. 3	.4				1						• 0	3.7
w	• 3				<u> </u>							• 3	2.3
WNW	• 1											• 1	2.0
NW	• 3	•1	• 1				1					•6	3.8
NNW	2.9	1.8		• 2						1		4.9	3.3
VARBL													
CAUA	\times	\times	\times	\times	\geq	\times	\boxtimes	\boxtimes	$\geq <$	\geq	\geq	18.6	
	23.4	29.6	23.2	5.2							l	100.0	4.6

TOTAL NUMBER OF OBSERVATIONS

900

ILLEAL CLIMATOLOGY BRANCH GRAFETAC

SURFACE WINDS

AL WEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

1725.36	RANDOLPH AFB TX	69-70,73-	80	JuN
STATION	STATION NAME		MONTH	
		ALL WEATHER		0300-0500
		CLASS		HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	4.1	1.0	.6									6.6	3.6
NNE	. 9	• 9	. 4	• 3								2.6	5 • 6
NE	• 3	1.1	. 9	• 2				L		L		2.6	6.5
ENE	.6	• 3	• 1	. 1								1.1	4.7
E	. 4	.4										. 9	4 • C
ESE	• o	3								L		1.3	2.9
SE	1.7	2.2	• 9				L		L			4.8	4.4
SSE	1.9	5.1	5.4	_ 9				l				13.2	6.5
5	3.1	8.1	11.6	1.0								23.8	6.5
S5W	2.0	1.3	7	• 1		L						4.1	4.7
SW	1.7	1.1	1					l				2.9	3.5
wsw	. 9	• 9	• 1			L						1.9	3.8
w	• 3	• 2										• 6	3.4
WNW	• 3	• 1				L		L		L		.4	2.8
NW	.8	. 4						L				1.2	3 • 2
NHW	5.7	2.7	• 1									8.4	3.1
VARBL													
CALM	$>\!\!<$	$>\!\!<$	> <	> <	$\geq \leq$	$\geq \leq$	$>\!\!<$	\boxtimes	\bowtie	\boxtimes	$\geq \leq$	23.7	
	25.4	27.3	20.9	2.7								100.0	4.0

TOTAL NUMBER OF OBSERVATIONS

900

CLEFAL CLIMATOLOGY BRANCH CSAFETAC AL CEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536	RANDOLPH AFB TX	69-70,73-80	JUN
STATION	STATION NAME	YEARS	MONTH
	Ai	LL WEATHER	<u> 3600-0800</u>
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	4,3	2.3	.7	. 4								7.4	4.1
NNE	1.1	1,2	• 8	. 6								3.7	5.9
NE	• 9	1.7	1.1	- 1	.1							3.2	6.5
ENE	1.0	• 9	.7									2.6	4.5
E	1.1	1.7	•1									2.9	3.8
ESE	1.9	$\overline{1 \cdot 1}$	• 3									3.3	3.5
SE	_1.7	2.1	1.2									5.0	4.8
SSE	1.1	3.9	4.8	1.2								11.0	7.0
S	2.2	8.0	11.0	3.3								24.6	7.4
SSW	1.3	2.4	2.7	• 1								6.6	5.8
SW	1.3	2.1		.2						I		3.7	4.5
W\$W	•6	• 8	• 1									1.4	4.2
w	1.2	1.1	•1	• 2								2.7	4.6
WNW	• 2	• 2										.4	3.8
NW	• 2	. 4										.7	3.8
NNW	2.7	1.7	.7	<u> </u>								5.0	3.8
VARN				1]							J I	
CALM	\times	\times	>>	> <	\boxtimes	$\geq \leq$	$\triangleright <$	\times	\times	$\geq \leq$		15.9	
	22.9	30.7	24.2	6.2	•1							100.0	4.9

TOTAL NUMBER OF OBSERVATIONS 900

ULURAL CLIMATOLOGY BRANCH US MEETAC AIR MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.22° 36	RANDOLPH AFB TX	69-70,73-80	JUN MONTH
5741104		ALL WEATHER	C900-1100
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	40 - 55	≥\$4	*	MEAN WIND SPEED
N	.4	1.1	.7	.8								3.0	7.6
NNE	.8	1.1	• 9	. 4								3.2	6.3
NE	• 9	1.4	1.7	• 7								4.7	6.6
ENE	. 3	2.1	1.2	• 1								3.8	5.9
ŧ	.7	1.6	.7	• 2								3.1	5.6
ESE	• 3	1.1	. 8	• 1								2.3	6 • D
SE	1.0	1.9	1.7	• 3								4.9	6.4
SSE	1.6	4.7	5.1	3.0	• 1							14.5	7.9
5	2.5	7.0	16.6	8.5	• 2				I			34.8	8.5
SSW	1.7	4.2	4.3	1.7								11.2	7.3
SW	1.2	2.2	1.2	• 1								4.8	5.4
WSW	. 7	. 8	• 2									1.7	4.2
w	.3	1.3	•2	•2								1.8	5.8
WNW	.6		• 1	*								.7	2.8
NW	.4	• 1	• 2	•1								• 9	5.5
NNW	• 2	. 4	• 1	• 1								.9	6 • D
VARBL													
CALM		\times	> <	\times	\times	> <	\times	$\geq \leq$	$\geq \leq$	\boxtimes	$\geq \leq$	3.6	
	13.0	30.8	35.7	16.4	.3							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 899

ULEGAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7 2 2 5 3 6	RANDOLPH AFB TX	69-70.73-80	PUL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1230-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	.4	• 9.	• 7	.6	•1							2.7	7.5
NNE		1.0	1.0	. 1								2.1	7.0
NE	- 4	1.3	1.1	. 3								3.2	6.6
ENE	1.1	2.6	1.4	• 2			I				I	5.3	5.8
E	1.1	2.9	2.1	• 3								6.4	5.9
ESE	• €	1.9	1.0	• 1								3.8	5.7
SE	1.2	3.7	3.1	1.1								8.4	7.0
SSE	2.2	7.2	9.6	4.7	. 3							24.0	7.9
S	2.1	7.6	13.2	7.2	• 1							30.2	8.4
SSW	- 8	1.8	2.2	. 4								5.2	6.6
\$W	- 4	• 9	.8		i			Ī -				2.1	5.7
WSW	• 3	2	. 3							· ·		.9	4.8
W	• 2	. 3	• 2	•1								• 9	5.5
WNW	!	• 3										• 3	4.3
NW			• 1									.1	8.0
NNW	• 1	• 2	•2	•2								.8	7.9
VARBL													
CALM	$\triangleright <$	><	$\supset <$	\times	\times	\times	$\geq <$	\geq	\geq	$\geq \leq$	><	3.4	
	11.3	32.1	37.1	15.4	. 6							100.0	7.1

TOTAL NUMBER OF OBSERVATIONS 900

GETHAL CLIMATOLOGY BRANCH USAFETAC

ATH MEATHER SERVICE/MAC

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED

SURFACE WINDS

DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

122536	RANDOLPH AFB. TX	69-70,73-80	^UL
STATION	STATION NAME	YEARS	MONTH
	ALL_	WEATHER	1500-1700
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	• 4	_ 3	.6	• 3								1.7	7.1
NNE	. 1	1.0	1.2	• 1	. 1							2.6	7.6
NE	. 3	• 9	1.6	• 7								3.4	7.7
ENE	1.0	3.2	1.7	• 2								6.1	5.7
Ę	1.8	3.8	2.7									8.2	5.5
ESE	1.1	4.4	4.1	• 3								10.0	6.3
SE	1.9	5.4	10.3	3.9	• 1							21.7	8.0
SSE	.7	5.7	11.8	6.3								24.4	8.8
S	. 9	3.8	6.8	3.2	•1							14.8	8.4
SSW	• 3	1.0	• 8	.7								2.8	7.5
SW	• 1	. 4							<u> </u>			•6	4.2
wsw	•1	• 2	•1									•4	4.8
w	. 3	• 2		i								.6	3.4
WNW	•1											• 1	2.0
NW		• 1					1					• 1	6.0
NNW	•1		.6	• 3			 					1.0	9.2
VARBL						T							
CALM	\times	\times	\times	\times	> <	\times	\boxtimes	\geq	\geq	\geq	$\geq \leq$	1.6	
	2.3	30.6	42.1	16.1	. 3							100.0	7.5

TOTAL NUMBER OF OBSERVATIONS 900

CL PAL CLIMATOLOCY BRANCH PRINTETAC AT LEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.125.36	ANDOLPH AFB TX	69-70.73-80	NUL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1900-2000
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 4	• 7	• 3	• 2								1.7	5.7
NNE	• 3	• 9	• 8	• 3	_					L		2.3	6.9
NE	. 4	٠,	• 6	• 3	. 1							2.3	7.4
ENE	_ ° 0	1.3	. 8]								3.0	5.0
E	2.0	4.2	1.8	•1								9.0	4.7
ESE	2.6	6.4	3.7	•6								12.5	5.5
SE	3.3	10.3	14.7	6.4								34.8	7.6
SSE	1.1	4.3	12.8	4.0								22.2	8.3
\$. 7	2.3	2.6	. 3								5.9	6.8
SSW	• 1	• 3	. 4	• 1								1.0	6.4
SW	• 1											. 1	2.0
WSW			•1									• 1	8.0
w		• 1								Ī		• 1	6.0
WNW	• 1	• 1	•1									• 3	5.3
NW													
NNW	. 6	• 1	•1									.8	3.3
VARBL						1							
CALM	$\supset <$	>>	$\supset <$	$\supset <$	> <	$\supset \subset$	><	><	> <			3.8	
	13.6	32.1	38.0	12.4	. 1							100.0	6.7

TOTAL NUMBER OF OBSERVATIONS

SUFFAL CLIMATOLOGY BRANCH GOMESTAC ATH GEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72336	FANDOLPH AFB TX	69-70.73-80	JUN
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2100-2300
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	, C,	1.3	• 1		. 1							2.4	4.6
NNE	• 1	1.7	• 1	• 1								1.3	5.3
NE	1.2	1.2	. 7	• 2								3.3	5.2
ENE	• 6	. 7	. 4						Ţ			1.9	4.6
ŧ	2.4	1.1	.7								Ī	4.2	3.9
ESE	3.2	2.1	1.4	• 1								5.9	4.9
SE	3.2	10.0	8.4	2.2								23.9	6.7
SSE	1.7	15.8	13.6	4.4								30.4	7.5
S	1.4	3.6	3.6	•2								6.8	6.2
SSW	• 2	. 5	•1	• 1						1		1.3	5 • C
sw	• 3	• 1										. 4	3.5
WSW	• 1	• 2										• 3	4.3
w	1		• 1		<u> </u>							• 1	10.C
WNW		•1						<u> </u>	<u> </u>		i	• 1	4.0
NW	.1	1										• 1	3.C
NNW	1.0	. 7	•1	1			• 1					1.9	4.8
VARSL		1										I	
CALM	$\supset <$	$\supset <$	$\supset \subset$	$\supset <$	$\supset <$	$\supset <$	$\supset <$		$\supset <$	$\supset <$		13.8	
	15.8	33.4	29.3	7.4	.1		.1					130.0	5.5

TOTAL NUMBER OF OBSERVATIONS

GL. TAL CLIMATOLOGY SPANCH - SETAC A' - AEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

712136	-ANDOLPH AFB TX	69-7J,73-8U	JUN			
STATION	STATION NAME	YEARS	монти			
		ALL WEATHER				
		CLASS	HOURS (L.S.T.)			

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	1.3	5_	• 3	• 0							3.9	4.9
NNE	. 6	1 .	_ • 7	. 3	•0							2.6	6.2
NE	. €	1.1	1.1	• 3	٠٦			\				3.2	5.6
ENE	٠,	1.4	• 8	• 1								3.1	5.4
ŧ	1.5	2.	1.0	. 1								4.6	4.9
ESE	1.4	2.3	1.4	• 2								5.3	5.3
SE	P.1	5 • €	5.4	1.8	_ . ()							14.3	7.0
SSE	1.5	6.3	8.9	3 • 3	• 1							20.3	7.6
\$	2.1	5 • ₹	9.3	3.2	• 1							20.4	7.5
SSW	ç	1.6	1.4	. 4								4.4	6.3
SW	ક•	1.	• 3	.0								2.01	4.6
wsw	. 4	. 4	• 1									. 9	4.2
w		. 4	• 1	• 1								. 9	4.8
WNW	2	• 1										. 3	3.5
NW	.2	• 2	• 1	0								.5	4.2
NNW	1.7	. 9	• 2	• 1			• 5					3.0	4.0
VARBL													
CALM	><	><	><	><	><	$\supset <$	><	$\supset <$	$\geq <$	><		16.6	
	3.61	30.8	31.3	10.2	. 2		.0					100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 7199

USAFETAC FORM AL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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,	AD-A113 704	AIR FORCE ENVI RANDOLPH AFB,5 FEB 62 USAFETAC/DS-82	AN ANIONIO. T	EXAS. REVISED	ATIONS CENTER UNIFORM SUMM F850 152	ARY OF SUR-ETC(U)	T.
	2 4 5	03472 (142703-08		SHIPADE	4830 152	NL	l
							4

CLURAL CLIMATOLOGY BRANCH SAFETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

172536 STATION	MANDOLPH AFB TX	69-73.73-80	YEARS	JUL
		ALL WEATHER		1000-0200 HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.3											1.3	2.3
NNE	Ų	• 1				L						.9	2.4
NE	۶	• 5			l	L	L					1.4	3.2
ENE	. 5								L			•5	2.2
E	1.5	.6		• 1								2.3	3,4
ESE	1.1	• 3										1.9	3.1
SE	3.2	4.8	. 4					<u> </u>				8.5	3.9
322	4.8	11.9	4.0	• 5								22.3	5.2
5	4.3	15.7	5.7	• 3		L						26.6	5.2
ssw	3.1	4.2	• 2									7.5	3.9
sw	1.7	1.1	• 1			L						2.9	3.2
WSW	α:	• 1										.9	2.5
w	.2											• 2	2 • C
WNW													
NW	• 3											.3	2.0
NHW	• 6	• 1										•8	2.1
VARBL													
CALM	\searrow	\times	> <	> <	> <	>>	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	21.8	
	25.7	40.1	11.4	1.0								100.0	3.5

TOTAL NUMBER OF OBSERVATIONS 930

SLCHAL CLIMATOLOGY BRANCH USCITETAC ATT MEATHER SERVICE/MAC

والمحادد والمجاد المصدارة والمجابط بجيد سماد

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.7.25.36	PANDOLPH AFB TX	69-70.7	3-80 YEARS	JUL MONTH
•		ALL WEATHER		Ú300-0500 Hours (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥#	*	MEAN WIND SPEED
N	1.7	1										1.8	2.2
NNE	5	. 3			L							9	2.5
NE	1.0	• 2		I								1.2	2.
ENE	• 8	• 2										1.0	2.4
E	1.1	. 4									I	1.5	2.9
ESE	1.3	• 6	• 2									2.2	3.
SE	2.2	1.2	, 3]	T						3.7	3.
SSE	4.2	4.0	. 9	• 1								9.1	3.9
S	4.9	9.2	4.7							T		18.9	5.
SSW	5.6	5.3	1.0									11.8	3.6
SW	3.1	2.9	. 4	1								6.5	3.
WSW	1.9	1.0										2.9	3.
w	1.5	• 3										1.8	2.0
WNW	.2	•1		1							Ī	• 3	3.:
NW	. 3	1		<u> </u>								• 3	1.
MNW	1.6	. 8	•1				T					2.5	3.2
VARBL		<u> </u>						1					
CALM	\sim	\times	\times	\times	\times	\geq	\times	\times	\boxtimes	\times	\boxtimes	33.7	
	31.9	26.7	7.6	1								100.0	2.

TOTAL NUMBER OF DESERVATIONS 930

GLCBAL CLIMATOLOGY BRANCH CTAFETAC Ale Weather Service/Mac

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	PANDGLPH AFB TX	69-70,73-80	JUL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0600-0800
		CLA##	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.5	• 5	• 2									3.2	3.0
NNE	• 9	• 5					L					1.4	2.
NE	1.0	1.0										1.9	3.
ENE	1.2	1.1	• 2							I		2.5	3.
£	2 • 0	1.2	_ •2									3.4	3.
ESE	1.2	. 6	• 2					I		I		2.0	3.
SE	2.0	1.6	• 3	• 1			L					4.9	3.
SSE	2.4	4.5	• 6	• 1								7.6	4.
5	4.0	10.5	6.3	. 4								21.3	5.
SSW	3.7	4.8	2.3			I						10.8	4.
SW	2.6	4.1	1.0									7.6	4.
wsw	1.2	1.6	•2									3.0	4.
w	1.6	.8	•1									2.5	3.
WHW	. 4	• 1										• 5	2.
NW	.4	• 2	• 1									.8	4.
MMM	1.1	1.4										2.5	3.
VARSL							L						
CALM	> <	$\supset \subset$	\mathbb{X}	\times	$\supset \subseteq$	$\supset <$	$\supset <$	$>\!\!<$	\boxtimes	\times	><	24.0	
	28.9	34.6	11.8	6								100.0	.3.

TOTAL NUMBER OF DESERVATIONS 930

5108AL CLIMATOLOGY BRANCH COMPETAC ATH MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

732536 _	ANDOLPH AFB TX	69-70,73-80	JUL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> </u>
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 9	8_										1.6	3.7
NNE	. 5		. 3		Ĭ					L		.9	4.4
NE	. 8	1.3	. 4	• 1				_				2.6	5.0
ENE	1.4	1.0	• 5	• 1								3.0	4.5
E	1.3	2.2	. 4									3.9	4.6
ESE	• 9	• 6	.6									2.2	4.9
SE	1.4	2.7	1.2	•1					1			5.4	5.2
SSE	1.7	3.8	4.3	.9								10.6	6.6
\$	3.5	10.6	15.9	3.0							Ī	33.1	7.0
\$5W	2.2	7.2	5.1	. 4			1					14.8	5.9
sw	1.5	5.3	1.3			†						8.1	4.9
wsw	1.0	1.4	.8									3.1	4.8
w	1.0	1.2	• 1		 	<u> </u>	·		1			2.3	3.8
WNW	• 3	. 4			 			-	† — — —		 	.8	3.3
NW	. 4	• 2	 			†	 	 	†	 		.6	3.0
NNW	• 3	• 3	•1				 			 		.8	4.1
VARBL	• • • •		•••	 	 	 	 	 	 -	 		<u> </u>	
CALM	\times	> <	\geq	> <	\sim	> <	\geq	\geq	$\geq \leq$	\geq	$\geq \leq$	6.3	
	19.0	38.9	31.1	4.6								100.0	5.5

TOTAL NUMBER OF DESERVATIONS 930

GLURAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	RANDOLPH AFB TX	69-70.73-80	JUL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		COMPLEAN	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56		MEAN WIND SPEED
N	1.3	•1	.8									1.8	4.
NNE	4	• 4	. 4									1.3	4.
NE	• 3	• 9										1.2	4.
ENE	1.1	1.3	• 9	• 1					}			3.3	5 •
ŧ	1.1	2.8	2.2	• 1								6.1	5.
ESE	1.1	2.0	1.4	•1								5.5	5.
SE	1.6	5.2	4.9	1.0								12.7	6.
SSE	2.2	7.4	8.2	1.7		I			I			19.5	7.
\$	2.6	11.2	12.2	3.2								29.1	7.
SSW	1.7	4.1	2.7	• 1								8.6	5.
\$W	. 8	2.4	• 5									3.7	5.
WSW	8.	• 3	• 1									1.2	3 6
w	. 4	• 5										1.0	3.
WNW			• 1									•1	10.
NW		. 4	•1									• 5	5.
NNW	• 1	• 1	• 3									• 5	7,
VARSL													
CALM	$\supset <$	$\supset <$	$\supset <$	$\supset \subset$	> <	$\supset <$	$\supset <$	$\supset <$	$\supset <$	$\supset <$	>><	3.9	
	15.1	40.0	34.7	6.3							المحيدة المحالة	100.0	6.

TOTAL NUMBER OF OSSERVATIONS 930

BLOFAL CLIMATOLOGY BRANCH STAFETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7:2:36	MANDOLPH AFB TX	69-70,73-80		
STATION	STATION NAME		YEARS	HTROM
		ALL WEATHER		<u> 1500-1700</u>
	<u> </u>	CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 13	34 - 40	41 - 47	40 - 55	≥56	%	MEAN WIND SPEED
N	• 2	. 6	. 3	• 1								1.3	6.3
NNE	• 5	• 3	•6	• 1								1.6	5.9
NE	• 5	1.1	• 5									2.2	5.1
ENE	1.2	1.2	• 5				l			L		2.9	4.5
E	1.5	2.0	2.5	. 4								7.3	5.9
ESE	1.1	4.0	4.3	. 8								10.1	6.9
SE	1.8	8.7	10.6	2.0	• 3				<u></u>			23.5	7.4
SSE	1.2	8.4	12.7	2.8								25.1	7.5
\$	1.0	6.2	7.7	1.7						L		16.7	7.3
SSW	•6	1.9	. 9	1	<u>.</u>		l,					3.5	5.6
SW	<u>•</u> 5	9و				<u> </u>					l	1.4	3.9
WSW	.3	. 3							<u> </u>			•6	3.3
w	3	• 1					<u> </u>		<u> </u>			. 4	3.0
WNW		. 1						<u> </u>				•1	5.0
NW		• 2							L			• 3	3,7
NHW	. 4	• 5						<u></u>	<u> </u>			1.0	3.9
VARBL							L						
CALM	X	\times	\times	\times	\times	\times	$>\!\!<$	$>\!\!<$	> <	$\geq \leq$	\times	1.9	
	11.4	37.5	40.8	8.1	. 3							100.0	6.7

TOTAL NUMBER OF DESERVATIONS 930

GLUBAL CLIMATOLOGY BRANCH USAFETAC AI WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

132536	RANDOLPH AFB TX	69-70,73-80	JUL
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	1860-2000_
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	•6	.9	• 3	•1							İ	1.9	5.3
NNE	•6	• 5	• 2									1.4	3.8
NE	1.3	1.3	• 3									2.6	3.9
ENE	1.6	1.2	• 2	• 2								3.2	4.3
é	1.2	3.2	•6	1				<u> </u>				5.2	4.9
ESE	1.7	5.6	3.2	.4								11.0	6.0
SE	3.3	14.1	13.9	3.3								34.6	6.8
SSE	1.5	9.7	11.3	4.6					·			27.1	7.6
5	1.0	2.9	2.5	. 4		· · · · ·						6.8	6.3
ssw	• 3	• 3	.4								i	1.1	5.4
SW	• 1	• 2	• 2									•5	6.2
wsw	2	• 1	• 1						† ·			.4	4.5
w	- · · · ·		•1									•1	8.0
WNW													
NW	.1	• 1										•2	4.0
NNW	• 2				• 1							• 3	7.7
VARM													
CALM	><	\times	\times	> <	>	\times	\sim	>	\sim	\sim	><	3.5	
	13.9	39.8	33.4	9.2	.1							100.0	6.3

TOTAL NUMBER OF OBSERVATIONS

SECRAL CLIMATOLOGY BRANCH
LIMFETAC
ATT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722036	KANDOLPH AFB TX	69-70,73-83	JUL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2100-2300
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	. 3	• 3		• 1								• 8	4.3
NNE	• Ü	. 4										1.2	2.6
NE	• 8	• 3	. 4									1.5	4.7
ENE	1.1	. 4	• 2	• 1]	-			1.8	4 • C
E	2.8	2.6	• 2									5.6	3.4
ESE	1.9	2.2	. 8									4.8	4.3
SE	2.8	10.9	7.4	1.4								22.5	6.2
SSE	2.4	15.3	18.8	3.0								39.5	7.0
S	1.2	4.8	3.2									9.2	5.9
SSW	• 2	1.0				• 1						1.3	5.5
SW	• 3	• 1				-				[• 4	2.8
WSW	. 3	• 1										. 4	2.8
w								T					
WNW		_ • 2										• 2	4.0
NW								I					
NHW	• 3	• 3										•6	3.2
VARIOL													
CALM	\boxtimes	> <	$\supset <$	$\supset <$	> <	$\supset \subset$	> <	> <	$\supset <$	$\supset \subset$	><	10.1	
	15.2	38.9	31.1	4.6		.1						100.0	5.4

TOTAL NUMBER OF OSSERVATIONS 930

GLGRAL CLIMATOLOGY BRANCH GCAFETAC Att geather service/mac

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772536	RANDOLPH AFB TX	69-70.73-80	JUL
STATION	STATION NAME	YEARS	MONTH
	ALL	WEATHER	ALL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.1	. 4	•2	• 0								1.7	3.9
NNE	• 6	• 3	• 2	•0								1.2	3.
NE	• 3	8	• 2	• 0								1.8	4.
ENE	1.1	- 3	. 3	• 1								2.3	4.
E	1.6	2.0	. 8	• 1								4.4	4.
ESE	1.3	2.2	1.3	• 2								5.0	5.
SE	2.4	6.1	4.9	1.0	•0							14.5	6.
SSE	2.5	8.1	7.7	1.7								20.1	6.
\$	2.9	8.9	7.3	1.1								20.2	6.
55W	2.2	3.6	1.6	•1		•0						7.4	4.
sw	1.3	2.1	.4									3.9	4.
WSW	• 8	•6	• 1									1.6	3.
w	•6	. 4	•0									1.0	3.
WNW	•1	• 1	•0									• 3	3.
ММ	• 2	• 1	•0									.4	3.
NNW	•6	.4	•1		•0							1.1	3.
VARBL										,		1	
CALM	>>	\times	\times	\times	\times	\times	\times	\times	\times	$\searrow \bigvee$	> <	13.2	
	20.1	37.1	25.2	4.3	.1	.0						100.0	4.

TOTAL NUMBER OF OBSERVATIONS 7440

GLEPAL CLIMATOLOGY BRANCH
DESCRIPTION
ATT REATHER SERVICE/MAC PERCENTAGE FREQUENCY OF WIND

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7:2:36	ANDOLPH AFB TX	69-70.73-80	1	AUG
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		J000-020 <u>C</u>
		CLASS		HOURS (L.S.T.)
		·		
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4.6	7 - 10	17 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.5	8										3.2	2.9
NNE	1.5	• 2							I			1.7	2.4
NE	1.4	. 2	. 2	• 2					I			2.3	3 • 4
ENE	1.4	• 3	• 1				I					1.8	2.0
E	1.4	. 4	. 4	•2	• 1							2.6	5.
ESE	1.3	. 4			• 1							1.8	3.
SE	4.0	2.2	. 8	•1								7.0	3.
SSE	5.5	6.3	4.4	• 2								17.4	4.
\$	4.4	11.3	4.8	• 2								20.8	5.
SSW	3.3	2.2	. 4									5.9	3.
SW	1.4	1.0	• 1									2.5	3.
WSW	. 9	•6	• 1									1.6	3.
w	. 5	• 1										• 6	2.
WNW	. 3	• 1										.4	2.
NW	• 3	.2					1					.5	3.
NNW	1.6	1.3			1	1			T	I		2.9	3.
VARBL													
CALM	$\supset <$	\boxtimes	\times	\times	\times	\boxtimes	\times	$\geq \leq$	\boxtimes	\times	\times	27.1	
	32.7	27.6	11.4	1.0	•2							100.0	3.

TOTAL NUMBER OF OBSERVATIONS 930

CLIFAL CLIMATOLOGY BRANCH COMPETAC AT MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

25.36	KANDOLPH AFB TX	69-7J.73-80	AUG_
		ALL WEATHER CLASS	3300-0503 Hours (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	i - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	4.4	1.5										5.9	2.6
NNE	• 9	• 5	• 1									1.5	3.4
NE	1.1	۹	• 2	• 2								2.3	4 . 4
ENE	1.3	. 4				<u> </u>						1.7	2.7
E	Ç.	• 6	• 3									1.5	4.5
ESE	1.7	• 1	• 1	• 2	. 1							2.3	4.5
SE	• 9	• 5	*	• 1						L		1.9	4 . 8
SSE	3.4	1.3	1.8	• 2								7.3	4.7
5	5.4	6.5	3.9	• 1								15.8	4.8
SSW	3.0	3.8	1.2									8.0	4.3
sw	2.7	1.6	• 1	• 1								4.5	3.4
wsw	2.3	1.5	• 1									3.7	3.2
w	1.2	• 8	• 1									2.5	3.2
WNW	• 9	• 1										1.0	2.7
NW	. 5											1.0	3.1
NHW	4.4	1.6										6.0	2.9
VARBL													
CALM	><	\times	> <	> <	> <	>>	><	> <	$\geq <$	$\geq \leq$	$\geq \leq$	33.7	
	34.3	22.6	8.4	1.0	•1							100.0	2.6

TOTAL NUMBER OF OBSERVATIONS 930

GECTAE CLIMATOLOGY BRANCH MARETAC AID REATHER SERVICEZMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.72 - 36	ANDOLPH AFB TX	69-70.73-80	A U 5
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	⊿630 + 28 0 0
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	4.1	2.0	• 1									6.1	3.2
NNE	1.5	• 9		. 1								4.6	3.5
NE	2.4	1.2	• 5	• 2				L				4.3	4 • 2
ENE	1.2	• 9	• 2					Γ				2.3	3.6
E	2.3	1.6	• 2									4 • 1	3.4
ESE	1.3	• 5	• 2	• 1	•1			1	I			2.3	4.5
SE	1.5	. 4	• 3	• 1								2.2	4.3
SSE	2.4	2.0	1.2	• 6						I		6.2	5.3
S	3.5	7.6	4.1	. 4								15.7	5.4
\$5W	3.1	3.3	1.2	• 3			Ī		I			7.8	4.9
sw	1.3	2.6	. 4	•2								4.5	4.8
wsw	1.3	1.5	• 1									۷.6	3.9
w	•6	1.1	• 1						1			1.8	3.8
WNW	• 1	• 1										• 2	4.5
NW	• 2	• 1	• 1									.4	4.5
NNW	3.9	2.0	. 4									6.3	3.2
VARBL													
CALM	\times	\times	$\geq <$	\times	> <	\geq	\geq	\times	$\geq \leq$	\geq	$\geq \leq$	30.5	
	30.0	28.0	9.2	2.2	.1							120.0	3.1

					120.0	3.	1
TOTAL NU	MBER O	F OBS	ERVATIO	MS _		03	<u> </u>

GLESAL CLIMATOLOGY BRANCH STAFETAC

AL MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

71.21.36	ANDOLPH AFB TX	69-70.73-80	AUG _
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0900-1100
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.7	• 6	• 2									2.2	3.4
NNE	• 5	• 6	1.3	• 3								2.3	7.3
NE	1.2	1.3	1.5	. 4								4.9	6.0
ENE	1.5	2.2	1.1	. 1]	_]				4.9	4.8
E	2.0	3.2	1.3									6.6	4.9
ESE	1.2	1.5	• 6	• 2								3.5	5.2
SE	1.2	1.0	. 4	• 1								2.7	4.7
SSE	2.9	4.1	1.5	• 8								9.1	5.4
\$	3.8	8.7	9.9	3.5								25.9	6.9
SSW	1.9	7.2	4.0	1.0	-							14.1	6.2
SW	1.0	4.7	1.6	• 3								6.9	5.7
wsw	1.3	1.5	. 9	• 1			1		1			3.3	5.2
W	1.7	1.4	• 3						1			3.0	3.9
WNW	.4	• 5										1.0	3.7
NW	. 5	• 1	• 1									.8	3 • D
NNW	.5	• 1					_					•6	2.5
VARSL													
CALM	$\geq <$	\times	\times	\times	\times	\times	\times	\times	\geq	\times	> <	7.2	
	22.6	38.6	24.7	6.9								100.0	5.4

TOTAL NUMBER OF OBSERVATIONS 93.0

SEUBAL CLIMATOLOGY BRANCH UTAFETAC Althurather Service/Mac

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	SANDOLPH AFB TX	69-70,73-80	AUC
STATION	STATION NAME	YEA	NO MONTH
		ALL WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N		. • 5	. 4	• 2								1.2	8.0
NNE	• 4	1.6	• 8	• 3	• 1			, , , , , , , , , , , , , , , , , , ,				3.2	6.7
NE	1.8	1.1	1.4	4								4.7	5.5
ENE	1.2	1.9	1.8	• 4	• 1					I		5.5	6.3
ŧ	1.0	3.9	2.7	• 3				}				8.8	5.6
ESE	1.6	1.8	1.7	. 4	• 1]					5.7	6 • D
SE	1.7	4.4	2.0	• 3								8.5	5.5
SSE	2.0	7.5	5.9	1.4	• 2							17.1	6.6
5	4.1	9.9	9.0	2.7	• 1							25.6	6.6
SSW	1.8	2.6	1.8	• 5				I	I			5.8	5.7
SW	•6	1.5	. 8	• 1								3.0	5.5
W2W	• 6	1.5	• 3									2.5	4.5
w	• 3	. 4										-8	3.9
WNW	• 3		• 1									. 4	3.5
NW	• 3	• 2	• 1							Ī		•6	4.7
NNW	• 1	• 2		• 1								.4	6.0
VARBL													
CALM	$\geq <$	\times	> <	\times	\times	\times	><	\boxtimes	$\geq \leq$	$\geq \leq$	$\geq \leq$	4.8	
	19.1	39.2	29.0	7.3	.6							100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 929

GLOBAL CLIMATOLOGY BRANCH GRAFETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

RANDOLPH AFB TX	69-70.73-80	Aug
STATION NAME	YEARS	MONTH
AL	L WEATHER	<u> 1530-1700</u>
	CLASS	HOURS (L.S.T.)
2	STATION NAME	ALL WEATHER

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	• 6	• 6	• 3									1.6	4.4
NNE	• 5	• 3	1.2									2.0	6.3
NE	1.2	• 5	•	• 3	• 3							2.8	6.8
ENE	1.9	2.2	1.2	• 6	• 1	• 2						6.2	6.6
E	2.5	5.2	4.4	1.1								13.1	6.3
ESE	1.5	3.5	3.3	1.1	• 1		<u> </u>			l		9.7	6.7
SE	3.1	6.3	7.4	2.6	• 3							19.8	7.2
SSE	2.5	6.5	7.2	2.5	• 1							18.8	7.2
S	1.2	6.0	4.6	1.8	• 1							13.8	7.0
ssw	9	1.4	1.7	• 2			<u> </u>					4.1	6.3
sw	- 9	1.1	• 2									2.0	4.0
wsw	•1	• 5	• 2	1								1.0	6.8
w		• 2	, 3						<u> </u>	L	<u> </u>	• 5	7.6
WNW		. 1				[<u> </u>	• 1	6.5
NW	•2	-1										.4	4.3
NNW	•2	• 1					L	<u> </u>				• 3	3.0
VARBL												<u> </u>	
CALM	$\geq \!$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	3.7	
	17.3	34.7	32.7	10.3	1.1	•2						100.0	6

TOTAL NUMBER OF OBSERVATIONS

GLUPAL CLIMATOLOGY BRANCH OFFETAC ATT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	RANDOLPH AFB TX	69-70,73-80	Aug
STATION	STATION NAME	YEARS	MONTH
		ALL_WEATHER	1830-20 0 C
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	26 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 3	• 9	• 1	• 2	• 1					İ		1.6	6.8
NNE	. 5	• 3	• 1									1.0	3.6
NE	1.1	• 9	• 5	. 1	• 3							۷.9	6.3
ENE	• 3	1.5	1.0	• 3								3.5	5 . 8
£	1.9	4.4	2.3	•6								9.2	5.7
ESE	3.0	5.1	3.0	. 4								11.5	5.4
SE	5.2	13.3	10.4	2.4	• 3							31.6	6.3
SSE	3.3	7.5	6.6	2.4	. 3							19.8	7.0
\$	• 5	2.9	3.8	1.3	• 1							8.6	7.7
\$5W		• 3	• 2	.1								.6	7.7
sw	• 2	• 3		•1								•6	4 . (
WSW		• 2										• 2	4 . (
w	• 2	• 1								I		• 3	3.3
WNW	• 2	•1								Ī		.3	2.7
NW		• 1	•1	•1					I			.3	8.3
NHW	• 3											• 3	2.3
VARBL		Ī				<u> </u>							
CALM	>>	\times	\times	\times	\boxtimes	\times	> <	\boxtimes	$\geq \leq$	\boxtimes	\boxtimes	7.4	
	17.3	38.0	28.1	8.1	1.2							100.0	5.9

TOTAL NUMBER OF OBSERVATIONS 930

GL: BAL CLIMATOLOGY BRANCH USAFETAC AIN MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536	PANDOLPH AFB TX	69-70.73-80	AU6
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2140-2300
	<u> </u>	CLASS	HOURS (L.S.T.)
		CAMBILLON	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥#		MEAM WIND SPEED
N	1.1	• 5	•1									1.7	3.4
NNE	1.3	• 8										2.0	3.2
NE	٥	• 1		• 1		• 1						1.2	5.0
ENE	1.6	1.0	• 2	• 2	• 3							3.3	5.9
E	2.5	2.4	• 8									5.6	4.1
ESE	3.3	3.4	. 4	• 3								7.5	4.2
SE	5.2	9.7	4.6	. 4								19.9	5 • Z
35E	3.3	11.6	9.5	3.5								28.0	6.9
8	1.7	3.5	3.4	2.4	• 1							11.2	7.5
\$5W	8.	. 9	• 2									1.8	4.5
sw	.4	• 2										•6	3.0
wsw	• 1	•1										•2	4 . C
w													
WNW		•1										•1	4.0
NW	• 3											• 3	2.3
New	.4	• 3								<u> </u>]	.8	3.1
VAROL								1					
CALM	\boxtimes	><	\times	> <		> <	><	> <	$\supset <$	$\supset <$	><	15.7	
	22.9	34.6	19.2	7.0	. 4	.1						100.0	4.8

TOTAL NUMBER OF DESERVATIONS 930

GLURAL CLIMATOLOGY BRANCH JULETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722136 STATION	ANDOLPH AFB TX	69-70,73-80 YEARS	A U G
		ALL WEATHER CLASS	ALL HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	46 · 55	≥54	*	MEAN WIND SPEED
N	1.8	• 9	• 2	•1	.0							2.9	3.6
NNE	, 7	• 7	.4	• 1	• 0							2.1	4.9
NE	1.4	я	• 6	• 3	- 1	• 0						3.1	5.4
ENE	1.4	1.3	• 7	• 2	• 1	•0						3.7	5.4
E	1.9	2.7	1.5	• 3	•0							6.4	5.3
ESE	1.9	2.1	1.2	• 3	• 1							5.5	5.4
SÆ	2•€	4.7	3.3	•8	• 1				<u> </u>			11.7	5.9
\$\$#	3.3	5.9	4.8	1.5	• 1							15.5	6.3
8	3.1	7.1	5.4	1.6	• 1				<u> </u>			17.2	6.3
ssw	1.8	2.7	1.3	. 3								6.1	5.3
5W	1.0	1.5	. 4	• 1								3.1	4.6
wsw	• 3	• 9	• 2	•						L		1.9	4.3
w	• 5	• 5	• 1									1.1	3.8
WNW	• 3	• 1	•0									• 4	3.3
NW	• 3	• 2	• 1	.0								•6	3.9
New	1.4	• 7	•1	•0								2.2	3.1
VARIOL													
CALM	\times	\times	\times	\times	\times	$>\!\!<$	\times	$\geq \!$	$\geq \leq$	$\geq \leq$	$\geq \leq$	16.3	
	24.5	32.9	20.3	5 . 5	. 5	•0						100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 7439

CLURAL CLIMATOLOGY BRANCH DUAFETAC

AT AEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	RANDOLPH AFB TX	69-70.73-80	SEP
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0000-0200
		CLASS	HOURS (L.S.T.)
	·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·- ·	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.4	4.6	2.1	7		•1						11.9	5.1
NNE	1.6	2.2	1.9	. 4	. 1		L					6.2	6.2
NE	.6	2.1	1.0	. 3								4.0	5.9
ENE	1.6	1.0	• 3									2.9	3.9
E	2.1	1.1	•1	• 1								3.4	3 • 3
ESE	1.0	• 7	• 3									2.0	3.8
SE	2.4	1.7	• 8	• 2								5.1	4.2
SSE	2.3	3.7	2.0									8.0	5.0
\$	2.2	5.9	4.4	• 9								12.6	6.2
SSW	1.7	1.0	• 3									3.0	3.6
SW	1.9	. 4										2.3	2.7
WSW	•6	• 1										.7	2.2
w	•2	• 1	• 1									.4	4.0
WHW	•1											• 1	2.0
NW	.8	• 1										.9	2.6
MW	4.4	4.9	. 4	_ ,3						ļ ———		10.1	4.0
VARM]					
CALM	><	\times	\times	\times	\times	\times	\times	$\geq \leq$	\boxtimes	\boxtimes	$\geq \leq$	26.3	
	27.9	28.7	13.9	3.0	1							100.0	3.5

TOTAL NUMBER OF OSSERVATIONS 900

GLUEAL CLIMATOLOGY BRANCH UNAFETAC AIN MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722536	KANDOLPH AFB TX	69-70.73-80	SEP
STATION	STATION NAME	YEARS	МОМТИ
	ALL	WEATHER	0300-0500
		CLASS	HOURS (L.S.T.)
		ONDITION	

SPEED (KNTS) DIR,	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	5.2	5 • 2	2.8	. 8								16.0	4.
NNE	1.1	2.7	2.2	. 7								6.7	6.
NE	1.0	1.4	1.3	• 2								4.0	5.
ENE	• 8	• 8	• 1				Ī	[1.7	3.
ę –	2.2	. 7	• 3									3.2	3.
ESE	1.2	• 4	• 1									1.8	3.
SE	1.0	1.6	• 3									2.9	4.
SSE	1.7	1.7	• 9									4.4	4,
\$	2.9	3.3	4.7	.7								11.6	6.
SSW	1.3	2.1	1.0									4.1	5.
sw	·°	•6	• 2									1.7	3.
WSW	, 7	• 1										.8	2 .
w	• 8	• 1		<u> </u>								• 9	2.
WNW	•8	•1	•2									1.1	4.
NW	1.3	•1	•1	•1								1.7	3,
NHW	7.3	6.1	•2	•1								13.8	3.
VARBL												1	
CALM	\times	\searrow	>	> <	>	$\supset <$	$\supset <$	$\supset \subset$	$\supset \subset$		> <	23.7	
	31.1	28.0	14.6	2.6		1						100.0	3 .

DTAL	NUMBER	OF	OBSERVATIONS	899	

GLUBAL CLIMATOLOGY BRANCH USAFETAC All REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772736	MANDOLPH AFB TX	69-70.73-80	SEP
STATION	SMAN HOITATS	YEARS	MONTH
		ALL WEATHER	<u> </u>
		CLASS	HOURS (L.S.Y.)
	**************************************	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	46 - 55	≥#	%	MEAN WIND SPEED
N	5.9	7.1	2.4	• 9	.2							16.4	5.1
NNE	2.4	2.6	2.4	1.1								8.6	6.2
NE	1.7	2.6	2.3	• 9								7.4	6.4
ENE	1.9	1.0	.7	• 1								3.7	4.2
ŧ	2.1	1.1	_ 3	• 1								3.7	3.8
ESE	. 9	• 0										1.8	3.3
SE	1.3	• 9	• 3	• 1								2.7	4.5
SSE	1.1	1.1	.6	• 2								3.0	5.2
\$. 8	4.0	2.8	. 4							L	8.0	6.4
\$5W	1.8	3.3	1.0	•2				<u> </u>		L	L	6.3	5.1
SW	1.6	1.9						L				3.4	3.6
WSW	7	• 2				Ĺ <u></u>	L					•6	3.4
W	. 8	• 3	3							L		1.4	4.5
WNW	• 3	. 1	1				L			Ĺ	<u> </u>	.6	4.4
NW	9	• 2								<u> </u>	L	1.1	2.9
MMM	5.0	5.4	. 8	• 2								11.4	4.0
VARBL													
CALM	\boxtimes	> <	>>	> <	>>	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	19.9	
	28.7	32.8	14.1	4.3	2							120.0	4.0

TOTAL NUMBER OF DESERVATIONS 900

SECFAL CLIMATOLOGY BRANCH JEAFETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.54.36	MANDOLPH AFB TX	69-70,73-80	SEP
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	0900-1100
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	40 - 55	≥54	%	MEAN WIND SPEED
N	1.1	1.9	3.1	1.2	•6							7.9	8.5
NNE	1.1	2.0	4.0	1.3								8.4	7.8
NE	1.4	2.4	5 •0	2.2								11.1	8.0
ENE	1.8	3.0	3.3	.7								5.8	6.3
£	1.6	2.9	1.1	• 1								5.7	5.0
ESÈ	1.4	1.4	• 9									3.8	4.7
SE	1.2	2.5	.8									4.6	5.0
SSE	1.3	2.8	1.3	• 9								6.3	6.4
\$	2.6	5.6	4.0	4.1								16.2	7.5
\$5W	1.2	3.3	2.4	1.2	• 1							8.3	7.0
sw	1.0	2.6	1.1	• 2								4.9	5.4
wsw	• 7	1.7	.6									2.9	4.9
w	1.0	. 9	. 4		<u> </u>					T		2.3	4.5
WNW	•1	• 2	• 3									.7	5.5
NW	•1	• 1	• 1]		• 3	5.7
New	• 3	. 9	• 2	•2								1.7	5.8
VARBL													
CALM	\times	\times	\times	> <	$\geq \leq$	$\geq \leq$	\boxtimes	\geq	> <	$\geq \leq$	$\geq \leq$	6.1	
	18.0	34.2	28.8	12.2	. 7							190.0	6.3

TOTAL NUMBER OF OBSERVATIONS 900

5LIEAL CLIMATOLOGY BRANCH OSAFETAC AIR MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

25.36	SANCOLPH AFB TX	69-70.73-80	SEP
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1200-1400
		CLASS	HOURS (L.S.T.)
	_		
		COMPLETION	

SPEED (KN75) DIR.	1-3	4-6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 6	1.3	2.6	2.6	•1							7.1	9.4
NNE	1.0	2.1	2.8	1.3	. 2							7.4	6.1
NE	. 9	2.4	4.2	2.3	1							10.0	8.2
ENE	1.3	3.4	3.3	• 7	• 1		1			T		8.6	6.8
ŧ	1.3	4.0	3.2	.7								9.2	6.3
ESE	1.8	2.1	1.8	•1								5.8	5.4
SE	1.3	2.9	1.4	• 1					I	L		5.8	5.4
SSE	2.1	3.6	2.8	• 9								9.3	6 . 2
8	2.1	5. A	5.1	3.6								16.6	7.6
\$5W	1.0	3.1	1.9	. 8								6.8	6.
\$W	1.3	1.1	. 4	•2								3.1	4.
W\$W	• 3	. 6	• 3									1.2	4.1
w	. 6	. 6	.6									1.7	5.6
WNW		• 1	• 2		.1							.4	9.8
NW	•2	.1	•1							I		.4	4 . !
MMW	•2	• 7	. 8	,2								1.9	7.1
YAREL												1	
CALM	><	$\supset <$	$\supset <$	> <	> <	\times	$\supset <$	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	4.7	
	15.8	33.9	31.6	13.4	. 7							100.0	6.

TOTAL NUMBER OF DESERVATIONS 900

SLUSAL CLIMATOLOGY BRANCH USAFETAC AIN VEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7225 36	RANDOLPH AFB TX	69-70,73-80	SEP
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1500-1700
		CLASS	HOURS (L.S.T.)
		COMPLYION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	49 - 55	≥54	*	MEAN WIND SPEED
Ņ	.7	1.3	2.6	1.8	• 2							6.6	8.9
NNE	1.4	1.3	3.3	1.8	_ 3							8.2	8.2
NE	• 7	2.9	3.2	1.6	- 1							8.4	7.5
ENE	17	3.6	3.2	• 7								9.1	6.4
E	1.8	5.0	4.3	. 8								11.9	6.4
ESE	1.4	2.7	2.3	• 2								6.7	5.7
SE	1.3	3.7	4.4	1.1					1			10.6	7.0
SSE	1.6	3.9	5.8	2.4	• 1							13.8	7.8
5	1.8	4.0	4.7	1.8	. 2	•1						12.6	7.5
SSW	• 2	1.2	. 4	.9								2.8	8.0
SW	.9	• 7	• 3						1			1.9	4.4
wsw	. 4	• 3	• 2									1.0	4.0
w	. 4	• 1	• 1									.7	3.5
WNW	• 2	• 1										. 3	2.7
NW	. 3	• 1	•1		•1						· · · · · · · · · · · · · · · · · · ·	.7	6.5
NNW	•1	• 3	•2	• 3								1.0	8.2
VARBL									 	i		 	
CALM	\times	$>\!\!<$	\times	\times	\times	\times	\times	\times	\boxtimes	>	> <	3.9	
	15.0	31.2	35.3	13.3	1.1	•1						100.0	6.9

TOTAL NUMBER OF DESERVATIONS 900

CLERAL CLIMATOLOGY BRANCH D'AFETAC AT MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

72236 STATION	ANDOLPH AFB TX	69-70.73-80 YEARS	SED
		ALL WEATHER CLASS	1800-2000 Hours (c.s.t.)
		CONDITION	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.4	2.7	2.2	• 8								7.1	6.4
NNE	1.7	2.6	2.0	• 9	• 2							6.7	7.3
NE	1.7	2.3	1.9	1.C	. 1				Ī			7.7	6.3
ENE	2.1	2.7	. 9	• 2			T					5.8	4.7
E	3.1	4.7	2.4	•6								13.8	5.3
ESE	3.6	5.1	2.3	1.1							1	12.1	5.5
SE	4.1	7.0	4.9	1.3	• 1					1		17.4	5.9
35E	2.7	4.4	4.2	2.3	•1							13.0	6.9
\$	1.1	2.1	1.3	• 2	• 3							5.1	6.7
SSW	• 1	• 3	• 2									.7	5.3
SW	• 5	• 1										.7	2.7
WSW	.1	• 1	.1					1				• 3	4.7
w	• 2	• 3	• 1						1			.7	4.0
WWW							<u> </u>	1					
NW		• 2	·									.2	4.0
HNW	• 3	• 3		• 1	•1			İ		<u> </u>		.9	6.5
VARSL		<u> </u>						1				1	
CALM	$\geq <$	\times	\times	\times	\times	\times	\times	\times	\times	\times	>>	10.1	
	22.3	35.4	22.6	8.6	1.0							100.0	5.4

TOTAL	-	o#	OSSERVATIONS	900
		•		900

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

DL/BAL CLIMATOLOGY BRANCH PARÉTAC ALL WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

172.36	KANDOLPH AFB TX	69-70.73-80	5 E D
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2100-2300
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	1.0	5.7	1.9	. 4								9.9	5.3
NNE	2.1	3.1	1.2	. 7	• 3							7.4	6.3
NE	2.4	1.3	1.3	. 8								5.9	5.5
ENE	1.9	2.1	• 2						1	_		4.1	3.6
ŧ	2.4	2.7	. 4	• 1								5.7	4 - 1
ESE	2.4	1.5	. 4	• 2								4.9	4.0
SE	5.1	4.0	2.4	• 3		1						10.8	4.9
SSE	2.3	5.7	4.3	1.8								15.1	6.4
S	1.7	2.5	3.3	8								8.3	6.4
SSW	• 5	. 4	• 1									1.1	3.9
SW	• 2	• 1	• 1									.4	4.3
WSW	. 4	• 4		• 1								1.0	5.€
W	•1											• 1	3.0
WNW													
NW		• 1				1				1	1	• 1	5.0
NHW	2.1	1.6	•1	• 2								4.0	3.8
VARBL			<u> </u>	 		 							
CALM	\mathbb{X}	\times	\times	> <	\times	\boxtimes	\times	\times	\geq	\geq	><	21.1	
	23.7	33.4	16.0	5.4	. 3							100.0	4.2

TAL	NUMBER	Of	OBSERVATIONS	903

GL/PAL CLIMATOLOGY BRANCH PRIFETAC Almoreather Service/Mac

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772536	ANDOLPH AFB TX	69-70.73-80	\$£ >
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	ALL
		CLASS	HOURS (L.S.T.)
		COMPLETION	

SPEED (KNTS) DIR.	1 · 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56	*	MEAN WIND SPEED
N	2.5	3.A	2.5	1.1	•1	.0						10.4	6.2
NNE	1.5	2.3	2.5	1.0	• 2							7.5	7.1
NE	1.3	2.3	2.5	1.2	• D							7.3	7.0
ENE	1.6	2.2	1.5	• 3	•3							5.5	5.5
E	2.1	2 • 9	1.5	• 3								6.7	5 • 2
ESE	1.7	1.9	1.0	• 2								4.8	4.9
SE	2.0	3.1	1.9	. 4	• 3							7.5	5.5
SSE	<u> </u>	3.5	2.7	1.1	•0				Ĺ	[9.2	6.4
\$	1.9	4.0	3.8	1.6	• 1	D.						11.4	6.9
SSW	• 9	1.9	. 9	. 4	• 0							4.1	5.9
sw	1.3	• 9	• 3	• 1								2.3	4.3
wsw	. 4	. 4	• 2	•0								1.1	4.3
w	• 5	• 3	• 2									1.0	4.3
WWW	• ?	• 1	• 1		• D							- 4	5.0
NW	• 5	• 1	• 1	• 0	• 0							.7	3.8
NHW	2.5	2.5	<u>•</u> 3	• 2	•0							5.6	4 • 2
YARBL													
CALM	$\geq <$	$>\!\!<$	$>\!\!<$	><	> <	><	> <	$\geq \leq$	$\geq \leq$	$\geq \leq$	><	14.5	
	22.5	32.2	22.1	7.9	• 5	0						100.0	5.1

TOTAL NUMBER OF OBSERVATIONS

7199

SENSAL CLIMATOLOGY BRANCH L'EFETAC Ale Reather Service/Mac

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

12.536	PANDOLPH AFB TX	69-73,73-80	эст
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	_000-02 0 0
	-	GLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	≥54	*	MEAN WIND SPEED
N	5.2	4.8	2.3	1.5	•1							13.9	5.5
NNE	1.3	1.7	2.8	. 9								6.7	6.9
NE	. 9	• 9	1.6	•9								4.2	7.5
ENE	• 9	• 5	• 3	• 2								1.9	5.3
£	1.5	1.0	• 3									2.8	3.6
ESE	8	• 5	• 3	• 1								1.7	4.5
SE	. 8	• 5	• 9	.9								3.0	7.6
SSE	3.5	1.5	1.9	• 6								7.6	5.2
\$	3.4	5.7	3.5	. 8								13.4	5.6
SSW	1.6	• 6	•2									2.5	3.3
sw	1.3	• 2				l						2.0	2.4
wsw	1.4	. 4										1.8	2.7
w	• 5	• 3										• 9	2.8
WNW	.6	• 5			Ī	I			1			1.2	3.1
NW	. 8	. 8										1.5	3.5
NNW	7.7	4.8	• 3	•1								13.0	3.3
VARBL													
CALM	$\geq \leq$	> <	\times	\times	\times	\times	\times	X	\times	\times	\geq	21.8	
	32.7	24.9	14.5	5.9	.1							100.0	3.9

TOTAL NUMBER OF OSSERVATIONS 930

USAFETAC $_{\mathrm{SA}}^{\mathrm{FORM}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CLUBAL CLIMATOLOGY BRANCH OF AFETAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536	RANDOLPH AFB TX	69-70.73-60	CCT
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	J300-35 0 0
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥\$6	*	MEAN WIND SPEED
N	8.3	4.6	2.3	2.0								17.2	4.9
NNE	1.8	2.3	3.4	1.0								8 • 5	6.8
NE	1.3	• 6	1.6	• 5							-	4.1	6.4
ENE	• 7	1.4	• 3									2.3	4.8
E	1.3	• 6	•1									2.0	3.2
ese	. 4	. 8	• 2									1.4	4.5
SE	• 1	• 8	• 5	• 3	. 1							1.8	8.4
SSE	1.7	1.4	. 9	. 4								4.0	5.5
\$	2.8	3.7	4.1	• 1								10.6	5.6
\$5W	2.3	• 9	. 4	• 1								3.7	3.7
SW	1.1	• 9										1.9	3.4
wsw_	1.0	• 5										1.5	3.2
w	1.0	• 3										1.3	2.6
WWW	. 4											. 4	1.8
NW	1.2	1.0	•1									2.3	3.6
HHW	10.2	6.2	• 3	• 3								17.1	3.5
VAROL													
CALM	$\supset <$	$\supset <$	$\supset <$	><	$\supset <$	><	> <	> <	$\triangleright <$	$\supset <$	><	20.1	
	34.7	25.9	14.3	4.8	.1							100.3	3.8

TOTAL NUMBER OF OBSERVATIONS

USAFETAC $\frac{\text{PORM}}{\text{AUL 64}}$ 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOCAL CLIMATOLOGY BRANCH LOAFETAC ATE WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.2536	MANDOLPH AFB TX	69-70,73-80	ост
STATION	STATION NAME	YEARS	HONTH
		ALL WEATHER	2600-0800
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6.	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 · 55	≥56	*	MEAN WIND SPEED
N	₹.8	5 • 2	2.7	2,4	• 2							20.2	5 • 2
NNE	1.7	3.1	3.5	1.1								9.5	6.7
NE	1.7	2.2	1.9	• 5								6.3	6.0
ENE	1.6	• 9	• 3]		2.8	3.5
E	.6	• 8	• 3									1.7	4 • 1
ESE	• 8	• 9										1.6	3.5
SE	•6	• 6	. 4	.1								1.3	5.4
SSE	9	1.4	1.1	• 3								3.5	6.2
\$	1.9	4.4	2.6	. 4								9.4	5.5
ssw	1.3	1.8	. 8	, 1								4.0	4.9
sw	_1.1	1.0										2.0	3.3
WSW	_ • 5	• 9	3									1.7	4.6
w	• 3	. 4	• 1									• 9	4.0
WNW	.4	• 1	• 1									-6	3.8
NW	1.4	1.2										2.6	3,2
MMW	10.3	4.7	.6	• 3								16.J	3.4
VARBL					<u> </u>		I						
CALM	\times	\times	> <	> <	>>	\boxtimes	$\supset <$	>>	> <	\times	$\supset <$	15.3	
	34.9	29.5	14.8	5.3	• 2							100.0	4.2

TOTAL NUMBER OF OSSERVATIONS

930

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772536	RANDQLPH AFB TX	69-70.73-80	oct
STATION	STATION NAME	YRARS	МОНТИ
		ALL WEATHER	0900-1100
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	46 - 55	256	*	MEAN WIND SPEED
N	1.3	1.1	2.3	4.7	• 3							10.2	9,
NNE	1.1	1.3	2.4	2.2	5							7.4	8.
NE	1.3	3.2	4.1	1.8								10.4	7.
ENE	1.4	2.6	1.4	.4								5.8	5.
ŧ	1.7	3.3	.8									5 . 8	4.
ESE .	1.2	1.4	.4									3.0	4.
SE	• 5	2.3	.8	• 5								4.1	6.
SSE	1.2	1.4	2.3	.9								5.7	7.
\$	2.2	4.6	6.7	3.1								16.6	7.
SSW	1.3	2.3	2.4	.6								6.6	6.
SW	1.6	3.3	2.0									7.0	5.
WSW	• 3	2.2	1.2	•1								3.8	5.
w	1.1	1.3	. 4	1								2.5	4.
WNW	•6	• 2	• 2									1.1	3.
NW	•1	• 2	• 3	•1								.8	7.
NNW	•6	. 8	•2	.8	• 1	•1						2.6	8.
VARBL													
CALM	$\supset \subset$	$\supset \subset$	\times	> <	$\supset <$	> <	$\supset <$	$\supset <$	$\supset \subset$	><	> <	6.8	
	18.1	31.1	27.7	15.3	1.0	1						130.0	6.

TOTAL NUMBER OF CESSEVATIONS 930

GLURAL CLIMATOLOGY BRANCH USAFETAC AI WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

774936	RANDOLPH AFB TX	69-70,73-80	ост
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1230-1400
		CLA#\$	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥54	%	MEAN WIND SPEED
N	. 5	1.4	4.2	3.1	•1							9.4	9.3
NNE	. 4	2.3	3.4	1.2	• 2							7.5	8.0
NE	1.2	2.7	3.2	.8								7.8	6.9
ENE	1.3	2.6	2.4	• 3	• 1							6.7	6.1
E	1.7	2.7	1.2	• 1								5.7	4.9
ESE	1.1	1.4	• 6									3.1	4.4
SE	1.6	1.6	1.3	. 4								4.9	5.7
SSE	1.5	3.5	2.2	1.4	• 1							8.7	6.8
\$	3.4	4.7	7.3	3.3								18.8	7.3
SSW	1.6	3.0	4.1	• 5								9.2	6.5
SW	• 9	2.4	1.6									4.8	5.5
WSW	.9	1.1	• 5	• 1								2.6	4,7
*	• 1	• 5	. 3	• 2	.1			I				1.4	7.2
WNW	• 1	. 4	• 2									. 8	4,9
NW	.4	.6	. 3	.1						I		1.5	5.3
NNW	• 2	• 3	. 8	•9	• 1							2.3	9.9
VARSL													
CALM	$\supset <$	\times	$>\!\!<$	\times	\times	$>\!\!<$	\bowtie	\boxtimes	\bowtie	> <	> <	4.7	
	17.0	31.4	33.7	12.5	. 8							100.0	6.5

TOTAL NUMBER OF CESSIVATIONS 930

SLUBAL CLIMATOLOGY BRANCH USAFETAC ATT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

122536	KANDOLPH AFB TX	69-70.73-80	
STATION	STATION NAME	YEARS	MONTH
		ALL HEATHER	1500-1700
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	• 5	1.9	3.1	3.9								9.5	9.5
NNE	• 6	1.9	3.3	1.9								7.8	8.2
NE	2.0	1.8	1.9	• 8								6.6	5.9
ENE	1.7	1.7	1.6	• 1								5.2	5.3
E	1.2	2.8	2.0	• 3								6.3	5.7
ESE	1.4	2.7	• 5	• 2								4.8	4.7
SE	1.7	4.0	2.7	. 9							L	9.2	6.3
SSE	2.8	2.9	5.1	1.5	. 3							12.6	7.3
\$	2.5	4.7	7.5	2.9						l		17.6	7.3
SSW	1.6	1.7	1.6									4.9	5.1
SW	• 0	1.3	. 6									2.8	4.7
WSW	•6	• 4	•1									1.2	3.9
w	•6	• 2	• 5	.2								1.6	6.0
WNW	• 2	• 1	• 1	•1								- 5	5.4
HW	• 2	. 4	• 1					1	ł			.8	4.7
NNW	•1	• 3	., 9	•1	.3							1.7	9.9
VARBL													
CALM	\searrow	\times	>>	\boxtimes	\boxtimes	\times	\times	$\geq \leq$	$\geq <$	\geq	$\geq \leq$	6.8	
	18.8	29.0	31.8	12.9	.6							100.0	6.3

JATC	NUMBER	OF	OBSERVATIONS	030

GLOHAL CLIMATOLOGY BRANCH STAFFETAC ATH WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702536	MANDOLPH AFB TX	69-70,73-80		001
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1830-2000
		CLASS		HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	76	MEAN WIND SPEED
N	1.4	3.1	1.7	1.7								€.0	7.0
NNE	1.3	2.8	2.6	. 9								7.5	6.4
NE	2.3	1.4	1.3	• 3								5.3	5.1
ENE	2.3	1.1	. 4									3.8	3.4
ŧ	4.5	2.5	• 5									7.5	3.4
ESE	3.9	1.5	1.1									6.5	3.8
SE	3.0	6.7	2.3	1.4								13.3	5.7
SSE	4.4	6.3	5.4	1.6								17.7	6.0
\$	3.5	3.0	1.5	.1								8.2	4.4
SSW	1.2	• 8										1.9	3.1
SW	4											-4	1.5
WSW	• 5	• 1	•1									8.	3.0
w		• 1										•1	5.0
WHW		• 3	• 1									.4	6.3
NW	•1	• 1	1							Ī		• 3	5.3
NHW	.6	• 5	• 3	•1	T							1.5	5.3
VARBL									1	i			
CALM	\boxtimes	\times	\times	\times	\times	\times	\times	\times	\times	\times	>>	16.7	
	29.5	30.3	17.4	6.1								100.0	4.4

TOTAL NUMBER OF OSSERVATIONS 930

GLUPAL CLIMATOLOGY BRANCH DEAFETAC Alm REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.7.25.36	KANDOLPH AFB TX	69-70.73-80	001
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	2130-2300
		CLASS	HOURS (L.S.T.)
		COMDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAM WIND SPEED
N	5.1	2.4	2.9	1.4	.3							12.0	6.0
NNE	• 6	2.4	2.8	8								6.6	7.0
NE	1.5	1.9	1.2	.5								5.2	5.8
ENE	1.2	. 9	• 1	• 1				1			1	2.3	3.9
ŧ	1.5	• 0	•2	• 1								2.7	3.7
ESE	.9	• 9	.6									2.4	5.0
SE	1.7	3.3	3.0	. 8								8.8	6.3
SSE	3.2	8.0	5.2	1,9								15.3	6.1
\$	2.3	5.5	2.0	. 4						1		10.2	5.3
SSW	1.3	• 3										2.0	3.1
SW	.3	• 1								<u> </u>	ļ ———	.4	2.5
WSW	•2	•1	<u> </u>				†					• 3	3.3
w	- 3	• 2						 			1	• 5	3.0
ww	•1	• 2	•1			• 1				 		•5	8.8
HW	1.2	• 6		 			 		 	†	——	1.8	3.4
MM	4.2	3.3	•1	.2				 	 	 	 	7.8	3.6
VARM	- ~•	707					 		 	 	 		3.0
CALM	>>	> <	>>	>>	>>	> <	> <	\geq	\geq	\geq	\geq	18.1	
	25.6	31.4	18.3	6.2	3	1						100.0	4.5

TOTAL NUMBER OF OSSERVATIONS

SECRAL CLIMATOLOGY BRANCH USEFETAC AIR REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7725.36	PANDOLPH AFB TX	69-70,73-80	эст
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	ALL
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	4.1	3.1	2,7	2.6	•1						Ì	12.5	6.6
NNE	1.1	2.2	3.0	1.2	.1							7.7	7.3
NE	1.5	1.8	2.1	. 8								0.2	6.5
EME	1.3	1.5	. 9	• 1	• 0							3.8	5.0
ŧ	1.8	1.8	7	.1								4.3	4.3
ESE	1.3	1.2	. 5	•0								3.1	4.3
SE	1.3	2.5	1.5	.7	0							5.9	6.2
SSE	2.3	3.3	3,0	1.1	• 1				I			9.8	6.3
5	2.8	4.5	4.4	1.4								13.1	6.4
55W	1.5	1.5	1.2	• 2								4.4	5.2
sw	1.0	1.1	• 5									2.7	4.5
WSW	• 7	. 7	. 3	• 0								1.7	4.4
w	• 5	. 4	• 2	• 1	.0							1.1	4.6
WHW	• 3	• 2	• 1	•0		0						• 7	4.4
NW	. 7	• 6	1	.0								1.4	4.0
MMM	4.3	2.6	.4	• 3	•1	•0						7.8	4.1
YARDL													
CALM	><	$>\!\!<$	\times	> <	\times	\times	$>\!\!<$	$\geq \leq$	$\geq \leq$	\geq	$\geq \leq$	13.8	
	26.4	29.2	21.6	8.6	. 4	0						100.0	5.0

TOTAL NUMBER OF OBSERVATIONS 7440

9

SLEBAL CLIMATOLOGY BRANCH USAFETAC ATT REATHER SERVICE/MAC

The state of the s

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

722136 _	RANDOLPH AFB TX	69-70.73-80	NOV
STATION	STATION HAME	YEARS	MONTH
		ALL WEATHER	<u> 0000-0200</u>
	<u>-</u>	CLASS	HOURS (L.S.T.)
	_		
	• • • •	CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	3.3	5.3	4.3	1.4	4	•1						15.0	6.7
NNE	1.1	3.3	3.8	1.1	• 3		Ĺ					9.7	7.4
NE	1.7	1.6	•6	. 4				<u> </u>				3.6	5.6
ENE	. 7	• 1									}	. 9	2.6
ŧ	•6	• 7	• 2									1.4	4.2
ESE	.7											• 7	1.7
SE	1.0	• 9	• 7	• 1				l				2.7	5.0
SSE	1.7	1.8	1.6	• 1								5.1	5.3
\$	2.7	3.3	3.1	. 4								9.6	5.5
SSW	1.4	1.3	1.1	• 3								4.2	5.4
SW	1.9	1.3	•1			-						3.3	3.4
wsw	• 8	• 8	• 1									1.7	3.7
w	• 8	. 4	• 1	• 1								1.4	4.2
WNW	.7	• 2	• 1									1.0	3.3
NW	3.0	1.2	1.1									5.3	4 - 1
NNW	6.7	7.6	1.2	• 3	•1							15.9	4 - 3
VARBL													
CALM	$\geq <$	$>\!\!<$	\times	> <	>>	> <	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq <$	><	18.7	
	27.9	29.9	18.1	4 . 4	. 9	a1						100.0	4.3

TOTAL NUMBER OF OBSERVATIONS 900

DECRAL CLIMATOLOGY BRANCH LEAFETAC ASS REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772: 36	SANDOLPH AFB TX	69-73,73-80		NOV
STATION	STATION HAME		YEARS	MONTH
		ALL WEATHER		0300-0500
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 . 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N	3.2	4.4	3.7	2.6	•7	•1			<u> </u>			14.7	7.5
NNE	1.5	4.0	3.4	1.3	• 6				I			10.9	7.3
NE	۰٥	1.6	1.8	• 7								4.9	6.9
ENE	.7	• 5										1.2	3.5
ę.	.8	• 3										1.1	2.9
ESE													
SE	1.1	. 4	• 3						1			1.9	3.6
SSE	1.3	. 8	.9				1		T			3.3	5 • 0
5	1.4	2.9	2.3	.6	,							7.2	6.0
SSW	1.3	2.6	• 3	.3					1	i		4.6	5.0
SW	1.1	1.2	• 3	• 2					T			2.9	4.8
W\$W	1.2	1.1	•1									2.4	3.5
w	1.1	- 6	•1						†			1.8	3.1
WNW	1.2	. 6	•1		——				†			1.9	3.2
HW	2.4	1.7	.4				 		<u> </u>			4.6	3.5
MW	7.1	9.6	1.4	. 4	•2			<u> </u>	 			18.8	4 . 5
VAROL			1					 	 			1 . 3 . 3	703
CALM	\times	>>	>>	> <	>>	>>	>	>>	$\supset <$	\geq	>>	18.2	
	26.6	32.2	15.3	6.1	1.9	1						100.0	4 . 5

TOTAL NUMBER OF OBSERVATIONS 900

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

172536	- ANDOLPH AFB TX	69-70,73-8	0	<u> </u>
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		<u> </u>
		CLASS.		HOURS (L.S.Y.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	4.6	6 • R	3.7	4.1	• 3							19.4	7.0
NNE	1.7	4.1	3.7	1.6	• 1	•1						11.2	7.3
NE	1.6	2.1	1.8	.6								6.0	6.0
ENE	• 7	.7	• 2	• 2								1.8	5.6
8	. ت	• 2										• 6	2.8
ESE	• 4	• 6	• 3									1.3	4.4
SE	1.0	• 3										1.3	2.9
SSE	• 7	1.1	. 4									2.2	4.
5	2.0	2.8	1.7	• 3								5.8	5.0
SSW	•6	1.2	• 7	. 4						l		2.9	6.
SW	1.0	1.7	• 7		}							3.3	4
WSW	1.4	1.1	• 3									2.9	4
w	1.3	1.7	• 1					1				ا و د	3.
WNW	• 6	• 3						L				. 9	3.1
NW	1.4	1.9	. 8	. 1	• 1							4.3	5•
NNW	6.8	8.2	1.1	•2								16.3	4 .
VARBL													
CALM	$\supset <$	>>	> <	> <	$\supset <$	> <	$\supset <$	$\supset <$	$\supset <$			15.6	
	26 . D	34.8	15.4	7.6	. 6							103.0	4.

TOTAL NUMBER OF OBSERVATIONS 900

SECOND CLIMATOLOGY BRANCH STARTAC AT SEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.721.36	ANDOLPH AFB TX	69-70.73-8	^ລ ຸງ	NOV
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		<u> </u>
		GLASS		HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	1.7	3.:	3.7	6.1	. 8	• 1	<u> </u>					1,5 . 3	9.7
NNE	۰٦	1.3	4 . 3	3.7	• 1							10.3	9.6
NE	1.4	3.1	2.8	1.3								3.7	7.0
ENE	.7	1.9	2.3	• 3								4.9	6.5
E	1.3	1.6	1.3	• 2								4.4	5.3
ESE	1.1	• 4	. 4									2.0	4.2
SE	3	1.9	• 7	• 2								3.1	5.9
SSE	. 4	1.1	. 9	. 4								3.2	6.4
\$	2.1	3.3	4.9	2.7	• 1							13.1	7.7
SSW	٩	3.3	3.9	1.2	• 1							7.4	7.2
sw	. P	2.3	1.4	. 7								5.2	6.6
wsw	1.4	1.3	• 9									3.7	4.6
w	• 6	1.2	•6	• 1								2.4	5 • 5
WNW	• 7	. 4	. 4	•1								1.7	5.9
NW	.1	• 5	• 6	•7	• 1							2.0	9.2
NNW	• 8	1.2	1.8	. 8	.6							5.1	8.4
VARBL													
CALM	$\supset <$	$>\!\!<$	\times	$>\!\!<$	\times	> <	\times	$\geq \leq$	\geq	\geq		5.3	
	15.6	28.1	30.6	18.6	1.8	•1						100.0	7.2

TOTAL NUMBER OF DESERVATIONS 900

USAFETAC FORM AL 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

.

GELRAL CLIMATOLOGY BRANCH GORFETAC AIT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7029.36	HANDOLPH ARB TX	69-70.73-8	٥	NGV _
STATION	STATION NAME	YEARS		MONTH
		ALL WEATHER		1200-1400
		CLASS		HOURS (L.S.T.)
		CONTINUE		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	44 - 55	≥56	*	MEAN WIND SPEED
N	• 5	1.7	4,4	4.8	• 9							12.3	10.7
NNE	• 3	1.0	2.7	4.1	• 2							8.3	10.4
NE	• 3	1.8	2.7	1.4	• 1							6.8	7.9
ENE	1.2	1.9	1.7	• 1						I		4.9	5.5
ŧ	1.6	2.7	1.3	• 1								5.7	5.2
ESE	• 9	2.2	• 1	• 1								3.3	4.6
SE	_ • 9	1.8	,7	• 2					I			3.6	5.3
SSE	• 4	1.4	1.8	1.1				L				4.8	7.7
\$	1.1	3.9	8.1	4.9	1						I	16.1	8.8
SSW	• 6	2.9	2.8	2.4	• 1							8.8	8.4
SW	• 6	1.7	2.9	. 9					1			6.2	7.3
wsw	• 3	1.6	1.2	1								3.8	5 • 7
w	• 6	1.7	_• 3	• 2	• 1							2.2	6.3
WNW	• 1	. 7_	. 4	7	• 1							2.0	8.8
NW_	. 4	. 7	• 3	. 8	• 2			<u> </u>			I	2.4	9.0
NHW	• 3	• 6	1.2	1.3	. 4							3.9	10.4
VARBL													
CALM		$\supset \subset$	><	><	$\supset <$	>>	><	><	><	$\supset <$	$\geq \leq$	2.9	
	11.4	27.3	32.7	23.3	2.3							100.0	7.9

TOTAL NUMBER OF OBSERVATIONS 900

SECRAL CLIMATOLOGY BRANCH CONSTRUCT AT MEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.2.36	- ANDOLPH AFB TX	69-70,73-80	NuV
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	1500-1700
		GLASS	HOURE (L.S.T.)
		CONSTRUCT	

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	46 · 55	≥54	*	MEAN WIND SPEED
N	,7	2.4	5 • ℃	4.4	•6							13.9	9.7
NNE	9	1.6	2.7	2.3	• 1							7.4	8.9
NE	1.0	1.9	1.9	1.0								5.8	7.1
ENE	1.0	1.5	1.0	• 1								3.7	5 . 2
E	2.0	2.1	1,0	• 1					L			5.2	4.6
ESE	1.5	1.7	• 2									3.4	4.0
SE	1.7	2.3	1.6	. 8								5.7	6.4
SSE	1.2	2.3	3,2	,7								7.4	6.7
S	1.7	4.3	8.7	3,6	• 1						[16.3	7.9
SSW	. 9	3.6	2.0	1.1								7.6	6.7
SW	1.0	2.1	1.4	. 4								5.0	6.2
wsw	. 4	- 3	. 8	, 2							[2.2	6.2
w	. 7	1.1	. 2									2.0	4.3
WNW		• 1	. 4	. 4		• 2					L	1.2	11.8
NW	. 8	. 4	,7	, 7	• 1						ļ	2.7	8.1
NNW		1.1	2.2	1,0	. 3							4.7	9.6
VARSL													
CALM	\searrow	><	><	><	><	><	><	$\geq <$	$\geq <$	><	$\geq \leq$	3.8	
	14.7	29.4	33.8	16.9	1.2	• 2						100.3	7.2

TOTAL NUMBER OF OSSERVATIONS

900

SE FAL CLIMATOLOGY BRANCH STAFETAC A. EATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.2536	-ANDOLPH AFB IX	69-70.73-80	NOV			
		ALL WEATHER CLASS				
		CONDITION				

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	×	MEAN WIND SPEED
N	2.4	4.3	3.7	3 • B	•2							14.4	7.8
NNE	1.8	2.9	3.1	1.1								8.9	6.6
NE	1.6	2.3	1.3	• 7		I						5.9	5.8
ENE	• 8	• 2	• 1	• 1								1.2	3.7
E	2.3	1.4	•2		•1			<u> </u>	T	1		3.8	3.9
ESE	1.3	1.7	• 2				<u> </u>			1		3.2	4 . D
SE	3.6	4.0	2.0	• 3		 						9.9	4.9
SSE	2.3	5.0	3.3	•6	†							11.2	5.8
5	4.9	4.8	1.3	.7							 	11.7	4.5
SSW	1.3	2.0	• 3							i	 	3.7	4.1
SW	.9	1.4	 -		 			 	 	 	 	2.3	3.6
WSW	• 7	• ?						 	† 	 		.9	2.8
w	1.0	• 3				 	 	 	 	 		1.3	2.6
WNW	.4	•1	•1		·	 				 		.7	3.8
NW	• 3	•6	.4				-		 	 	 	1.3	4.9
NNW	1.7	2.1	1.1	.4					 		 	5.3	5.5
VARM			- · · · ·	• • •	 	 	 	 	 	 	 	1	
CALM	\times	>	> <	> <	>>	>>	> <	\geq	\geq		\geq	14.2	
	27.0	33.4	17.3	7.7	.3							100.0	4.7

TOTAL NUMBER OF OBSERVATIONS 900

GLEBAL CLIMATOLOGY BRANCH U14FETAC AT REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.725.36	KANDOLPH AFB TX	69-70,73-80		NOV
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		2100-230C
		CLASS		HOURS (L.S.T.)

CONDITION

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	2.2	5.2	3.6	2.9	• 1	• 1						14.1	7.4
NNE	1.3	3.3	2.9	1.4	• 1							9.1	7.2
NE	• 8	2.3	1.1	• 4								4 - 3	6.0
ENE	•8	• 6	• 1				i	Ī.		I		1.4	4.0
ŧ	• 3	• 7	• 1									1.1	4.1
ESE	• 5	• 8	• 1									1.4	3.8
SE	1.7	2.6	1.0	.1								5.3	4.8
SSE	2.0	5.4	3.0	3								10.6	5.5
5	3.9	6.1	3.1	- 8				[13.8	5 • 3
SSW	1.0	1.3	• 3									2.7	4.5
SW	• 9	• 2	• 1									1.2	2.9
wsw	• 2	• 6	. 1									• 9	4.9
*	• 3	•3	• 1									1.2	3.8
WWW	.4	• 4										. 9	3.0
NW	1.9	1.1	•6									3.4	4.1
MMM	5.6	5.3	• 3	.6	•1							11.6	4.1
VARBL													
CALM	\boxtimes	\times	\times	$\supset \subset$	$>\!\!<$	\times	$>\!\!\!<$	$\geq \leq$	\boxtimes	$\geq <$	$\geq \leq$	16.7	
	24.1	35.7	16.6	6.6	.3_	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 903

GLIGAL CLIMATOLOGY BRANCH SCAPETAC ATH REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7.725.36	HANDOLPH AFB TX	69-70,73	S-8G	NOV
STATION	STATION HAME		YEARS	MONTH
		ALL WEATHER		ALL
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	2.3	4.2	4.1	3.8	. 5	•1						14.9	8.2
NNE	1.2	2.7	3.3	2.1	• 2	•0						9.5	8.0
NE	1.1	2.0	1.7	. 8	•0							5.7	6.6
ENE	-8	• 9	• 6	• 1								2.5	5.3
ŧ	1.1	1.2	• 5	• 1	•0							2.9	4.6
ESE	8	• 9	• 2	•0								1.9	4 . 1
SE	1.3	1.8	. 9	• 2							L	4 • 2	5.1
55E	1.3	2.4	1.9	. 4								6.0	6.0
\$	2.5	3.9	4 • 2	1.7	•0							12.3	6 • 8
SSW	1.0	2.3	1.4	• 7	• 0							5.5	6.5
SW	1.0	1.5	• 9	• 3								3.7	5 • 5
WSW	• 9	. 9	. 4	•								2.3	4 . 6
w	.8	. 8	• 2	• 1	.0							1.9	4.3
WNW	• 5	. 4	• 2	• 2	. 0	•0						1.3	5.8
NW	1.3	1.0	.6	. 3	•1							3.3	5.5
NHW	3.6	4.4	1,3	6	• 2							10.2	5.2
VARM													
CALM	\times	$>\!\!<$	$\geq <$	><	$>\!\!<$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	11.9	
	21.7	31.4	22.5	11.4	1.1	1						100.0	5.6

TOTAL NUMBER OF OBSERVATIONS 7200

GLEGAL CLIMATOLOGY BRANCH ESAFETAC AI: WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7725 36	RANDOLPH AFB TX	<u>69-7û,73-80</u>	DEC
STATION	STATION NAME	YEARS	MONTH
	<u></u>	ALL WEATHER	2000-0200
	 	CLASS	HOURS (L.S.T.)
		. <u></u>	

SPEED (KNTS) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	2.4	4.6	4.4	2.5	• 5							14.4	7.5
NNE	1.4	1.6	2.2	1.3	• 2							6.7	7.9
NE	• 5	• 9	• 9	• 5						I		2.8	7.0
ENE	. 3	• 3	• 6					[1.7	5.1
E	1.5	• 5	• 3							f		2 • 4	3.6
ESE	•1	• 1	• 1									• 3	6.0
SE	, a	• 1	• 3									1.2	3.8
35E	1.1	1.0	1.6	• 2								3.9	5.8
5	1.5	3.0	2.8	1.3								8.6	6.8
SSW	1.5	2.3	1.4	• 5								6.0	5.6
SW	2.0	2.2	• 2									4.4	3.7
WSW	1.6	1.4	. 4									3.4	4.1
w	1.5	1.3	• 3									3.1	4.0
WNW	•6	• 3	. 4	.1	•1							1.6	6.0
NW	1.7	1.1	.5	•1	.1							3.5	4.8
New	4.2	9.0	2.0	.4				<u> </u>	<u> </u>			15.7	4.6
VARM										1			
CALM	$>\!\!<$	\times	\times	\times	\times	\times	\times	\boxtimes	\times	\times	>>	20.2	
	23.1	30.1	18.6	7.0	1.0							100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

SLEPAL CLIMATOLOGY BRANCH OF AFETAC Alm Reather Service/Mac

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7225 3 8	HANDOLPH AFB TX	69-70.73-80	DEC
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> </u>
		GLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1.3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	29 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	3.7	6.7	5 • 5	2.3								17.4	6.6
HNE	• 9	1.6	1.5	1.9	• 3							6.2	6.4
NE	. 9	1.9	. 8	• 1			}	}]	3.7	5.6
ENE	• 3	1.0	• 2	• 2								1.7	5.8
ŧ	.4	• 5	•2	• 1								1.3	5.0
ESE	• 2		• 1									. 3	3.7
SE	• 5	• 2	• 3									1.1	4.9
SSE	• 8	1.4	. 4	• 1								2.7	5.2
\$.6	3.1	1.2	•2	•1							5.3	6.1
SSW	1.0	2.2	1.3	• 8								5.2	6.2
SW	2.4	2.4	• 6	•1			Ī					5.5	4.1
WSW	1.4	1.2	• 3									2.9	4.1
w	1.8	1.2	. 5	1								3.7	4.2
WNW	. 8	• 3	. 4			•1						1.6	5.7
NW	1.9	1.2	1.0	•1		1	1					4.1	4.7
NHW	7.2	6.6	2.2	. 4	•1							16.5	4
VARBL									1			1	
CALM	$\geq \leq$	$\geq <$	\times	\times	\times	\times	$\geq \leq$	\times	$\geq \leq$	$\geq \leq$	$\geq \leq$	21.0	
	24.5	30.8	16.6	6.5	.5	_ ,1						100.0	4.4

TOTAL NUMBER OF OBSERVATIONS

930

USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLEFAL CLIMATOLOGY BRANCH USAFETAC AT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7225 36	MANDOLPH AFB TX	69-70,73-80	DEC
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	<u> </u>
	 	CLASS	HOURS (L.S.T.)

SPEED (KNT\$) DIR.	1 - 3	4-6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	%	MEAN WIND SPEED
N	4.9	7.5	5.2	3.4	. 4							21.5	6 . 8
NNE	1.2	1.6	2.5	1.5	. 4	• 1						7.3	8.3
NE	-8	1.8	•6	. 4				L	L			3.7	5.8
ENE	- 6	1.1	• 3									2.0	4.7
Ł	•6		• 6									1.3	4.8
ESE	• 5								<u></u>			- 5	2.4
SE	. 4	• 3	•6	1								1.5	5.8
SSE	1.0	1.5	. 4						L			2.9	4.7
S	1.3	2.0	1.0	-1	•1							4.5	5.2
SSW	1.7	1.1	. 9	. 1								3.8	4.6
5W	1.3	2.5	. 5			<u> </u>	<u></u>	<u> </u>				4.8	4.2
wsw	1.9	1.2	.4					<u> </u>				3.5	3.6
w	1.1	• 9	1.1	1								3.1	5.2
WNW	.5	• 2	• 3					.	<u> </u>			1.1	4.5
NW	2.2	1.2	-6	. 2			<u> </u>	<u> </u>		ļ		4.2	4.6
NNW	7.2	7.0	1.5	. 8	• 1			<u> </u>	<u> </u>			16.5	4.5
VARDL									L			L	
CALM	$\geq \leq$	$>\!\!<$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$>\!\!<$	$\geq \leq$	$\geq \leq$	$\geq \leq$	$\geq \leq$	17.6	
	27.8	29.9	16.7	6.8	1.1	.1						100.0	4.6

TOTAL NUMBER OF OBSERVATIONS 930

USAFETAC AR 64 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLIBAL CLIMATOLOGY BRANCH USAFETAC AT HEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772536	MANDOLPH AFB. TX	69-70,73-80	DEC
STATION	STATION NAME	YEARS	MONTH
	ALL WE	ATHER	0900-1100
	CL.	A\$6	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 · 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	3.3	2.9	4.9	5.4	1.3	- 8						10.5	9.5
NNE	1.4	1.9	3.3	1.9	• 2	• 1						8.9	8.3
NE	. 8	2.0	3.4	1.7	• 1							8.1	8.0
ENE	1.7	1.3	1.2	- 3								4.5	5.3
E	1.7	2.0	• 8	•1								4.6	4.5
ESE	•	• 3	• 1									1.3	3.3
æ	• 5	1.4	• 6	• 1								2.7	5.4
35E	• 6	1.3	. 8	• 3								3.0	6.4
\$	1.6	2.8	2.9	1.3								8.6	6.6
35W	1.2	1.9	2.7	1.3	• 1							7.2	7.7
sw	1.2	2.7	2.5	. 8						L		7.1	6.4
WSW	1.5	2.7	1.1	. 3						L		4.9	5.3
w	1.7	1.0	• 9	• 1						L		3.7	4.9
WHW	• 3	. 3	• 6	. 1						L	<u> </u>	1.4	6.5
NW	4	• 9	•6	• 3	. 1							2.4	7.2
NWW	1.5	1.1	1.5	1.2	• 1						L	5.4	7.3
VARM											L		
CALM	\times	\times	\times	\times	\times	\times	$\geq \leq$	$\geq \!$	$\geq \leq$	$\geq \leq$	$\geq \leq$	7.7	
	20.4	25.8	28.0	15.3	1.9	. 9]	100.0	6.7

TOTAL NUMBER OF OSSERVATIONS 930

USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLUBAL CLIMATOLOGY BRANCH DESETAC ATH REATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

721536	ANDOLPH AFB TX	69-70.73-80	1	DEC
T22-36	STATION NAME		YEARS	MONTH
		ALL WEATHER		1200-1400_
		CLASS		HOURS (L.S.Y.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	40 - 55	≥56		MEAN WIND SPEED
N	1.0	2.8	4.2	4.5	1.6	• 1						14.2	10.4
NNE	• 8	1.9	3.3	2.2	• 1			}]			8.3	8.6
NE	1.3	1.5	2.3	•6								5.7	6.9
ENE	• 9	1.6	1.8	• 3								4.6	6.3
E	1.8	1.2	• 9									3.9	4.2
ESE	• 4	. 4	. 4	• 1				Ĺ				1.4	5.5
SE	• 5	. 4	• 6									1.6	5.4
358	1.2	1.3	1.5	• 5								4.5	6.3
8	1.5	4.1	4.9	3.5	• 1				ł			14.2	8 . D
SSW	. 5	2.6	5.1	2.0	[10.2	8.3
SW	1.6	2.0	3.4	1.1			Γ					8.2	7.1
WSW	• 3	1.8	2.0	.4								4.6	7.0
w	1.3	1.7	1.7	.9	•1							5.7	6.8
WNW	• 2	• 3	. 4	.9								1.8	8.6
NW	•1	. 4	• 9	• 5	•2	• 1						2.3	10.3
NWW		1.3	1.8	1.3	• 3	•1						5.1	9.4
VARBL													
CALM		>>	>>	>><	$\supset <$	\times	$\supset <$	$\geq \leq$	\boxtimes	$\geq \leq$	$\geq \leq$	3.8	
	13.7	25.5	35.4	18.9	2.5	. 3						100.0	7.6

OTAL	NUMBER OF	OBSERVATIONS	93	n
			7.3	u

USAFETAC PORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH J'AFETAC A. /EATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

702436	JANDOLPH AFB TX	69-70.73-80		DEC
STATION	STATION NAME		YEARS	MONTH
		ALL WEATHER		1500-1700
		CLASS		HOURS (L.S.T.)
		CONDITION		

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAM WIND SPEED
N	1.1	3.4	4.9	6.0	•6							16.1	9.6
NNE	. 4	1.3	2.2	1.9	. 1	• 1						0.6	9.0
NE	1.3	2.4	1.3	• 5			1					5 • 5	5.8
ENE	• 9	1.4	• 9	•5	• 1							3.8	6.5
£	2.4	1.7	• 3									4.4	3.7
ESE	• 6	1.1	• 3					1				2.3	4.3
SE	1.5	1.6	. 8	•2								3.5	5.1
SSE	1.5	• 9	1.7	1.6	• 2							5.9	8.1
5	2.2	6.7	7.5	2.5								18.8	7.2
SSW	. 9	4.1	3.1	. 8					1	i		8.8	6.6
SW	. 9	2.8	2.6	•2								6.5	6.4
wsw	•6	1.5	1.4	•2								3.8	6.3
w	• 2	1.0	. 4	• 2					 			1.8	6.4
WNW	• 4	•1	.4	• 1								1.1	6.2
NW	•1	• 3	.6	1.0	.1							2.2	10.0
NHW	. 4	1.2	1.4	1.1	.4			 				4.5	8.8
VARM												1	
CALM	\times	\times	>	\times	\times	\times	\times	\times	\times	\times	\times	4.7	
	14.8	31.9	29.9	16.9	1.6	1						100.0	7.0

TOTAL NUMBER OF DESERVATIONS 930

USAFETAC PORM (I-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLUTE

SEPRETAC AS SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7^2-36	RANDOLPH AFB TX	69-70,73-80	036
STATION	STATION NAME	YEARS	MONTH
		ALL HEATHER	1830-2900
		GLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥56	*	MEAN WIND SPEED
N	2.4	4,∙ ≎	4.4	3 • D	• 3							14.1	7.6
NNE	1.0	2 • 3	2.2	2.0	• 2							7.7	8.1
NE	1.1	1.4	1.1	• 5						<u> </u>		4.1	6.2
ENE	1.6	-8	• 5	• 1					Ĺ			3.0	4.1
E	2.4	1.2	• 2						L			3.8	3.2
ESE	1.7	1.2					L		Ĺ			2.2	3.7
SE	1.1	1.7	1.5	•5								5.1	6.2
SSE	<u>1.8</u>	3.5	2.7	•6				Ĺ	<u> </u>			8.6	6.3
S	4.6	6.3	• 8	• 1					L	<u> </u>		11.5	4.1
\$5W	3.1	3.0	• 3							L	L	6.5	3.5
SW	1.7	2.0										3.8	3.6
wsw	1.4	• 5								L		2.0	2.9
*	1.3	• 2	• 1									1.6	2.7
WNW	- 2	• 2	. 1		L						<u> </u>	• 5	5.0
NW	6	.6	• 6	•1	•2							2.3	6.9
NNW	2.0	1.9	•6	- 6	_ • 1				L	I	Ī	5.4	5.3
VARBL						·				L			
CALM	$\geq \leq$	\times	><	> <	$\geq \leq$	$>\!\!<$	$>\!\!<$	$\geq \leq$	$\geq \leq$	\boxtimes	$\geq \leq$	17.8	
	27.4	31.0	15.2	7.8	.9							100.0	4.5

TOTAL NUMBER OF OBSERVATIONS 927

USAFETAC PORM (0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

BLOBAL CLIMATOLOGY BRANCH A AFETAC AT AFATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

772536	RANDOLPH AFB TX	69-70.73-80	DEC
STATION	STATION NAME	YEARS	MONTH
		ALL MEATHER	2100-2300
		CLASS	HOURS (L.S.T.)
		CONDITION	

SPEED (KNTS) DIR.	1 - 3	4 · 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	3.0	4.0	3.5	2.7	• 4_							14.4	7.1
NNE	1.3	1.9	2.3	1.6								7.0	7.9
NE	1.1	2.4	1.2	.4	• 1	. 1						5.3	6.6
ENE	• 6	1.7	• 3	• 1]		2.3	4.9
E	• 5	• 9	• 2									1.7	3.8
ESE	.4	• 9										1 • 2	3.5
SE	1.2	• 9	1.2	• 1								3 • 3	5.6
SSE	1.9	2.5	2.5	. 4						l		7.2	6.1
\$	1.9	3.8	3.3	. 9								3.3	6.3
55W	1.7	2.1	• 1									3.9	3.8
SW	1.5	1.7	• 3	• 1								3.7	4.2
WSW	1.2	1.2	• 1									2.5	3.7
w	1.3	• 9	. 8									2.9	4.5
WNW	• 5	• 2	. 8	• 1								1.6	5.9
NW	• 3	• 5	. 3		• 1							1.8	4.7
NNW	5.7	4.3	•5	. 4	• 1							10.4	4.3
VARSL													
CALM		\times	\times	\times	$\geq <$	$\geq \leq$	$\geq \leq$	$\geq \leq$	\times	$\geq \leq$	$\geq \leq$	20.8	
	25.2	28.8	17.4	6.9	. 8	1						100.0	4.5

TOTAL NUMBER OF OBSERVATIONS

926

USAFETAC FORM ARE 08-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

JETSAL CLIMATOLOGY REANCH COUNTRIAC AT BEATHER SERVICEZMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

DOLPH AFB TX	69- 7 0, 7 3-80	DEC
STATION NAME	YEARS	MONTH
	ALL WEATHER	ALL
	CLASS	HOURS (L.S.T.)
		STATION NAME ALL WEATHER

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥\$6	*	MEAN WIND SPEED
N	2.3	4.4	4.6	3.7	• 7	• 1						1 à • 3	8.1
NNE	1.7	1.5	2.4	1.8	. 2.	•0						7 • 3	8.3
NE	1.0	1.€	1.4	.6	•5	0.						4.5	6.7
ENE	• 9	1.1	. 7	• 2	• 0					_		3.0	5.5
E	1 - 4	1.0	. 4	• C								2.9	4.0
ESE	• 5	• 5	• 1	•0								1.2	4.0
SE	• 8	. 9	• 9	• 1								2.5	5.5
SSE	1.2	1.7	1.5	• 5	• 0							4.3	6.3
\$	1.9	3.9	3.1	1.2	• 0							10.2	6.5
55W	1.5	2.4	1.9	• 7	• 5						I	5.4	6.2
SW	1.6	2.3	1.3	• 3								5.5	5.3
wsw	1.3	1.4	• 7	.1								3.5	4.9
w	1.3	1.0	.7	• 2								3.2	5 • 1
WNW	. 5	. 3	. 4	•2	•0	• 0						1.3	6 • 3.
NW	1.0	. 8	.7	• 3	• 1	.0						2.8	6.3
NNW	3.5	4.0	1.5	. 8	• 2	•0						7.9	5.3
VARSL													
CALM	$\supset <$	\geq	\times	\times	\times	\times	\times	\times	\times	\times		14.2	
	22.1	29.2	22.2	10.7	1.3	. 2						100.0	5.5

TOTAL NUMBER OF OBSERVATIONS 7433

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

CL CAL CLIMATOLOGY BRANCH CCAFETAC AT VEATHER SERVICEZMAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

712:36	RANDOLPH AFB TX	69-73.73-81	ALL
STATION	STATION NAME	YEARS	MONTH
		ALL WEATHER	ALL
		CLASS	HOURS (L.S.T.)

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	20 - 33	34 - 40	41 - 47	40 - 55	≥54	*	MEAN WIND SPEED
N	2.2	2 • •	2.5	2.2	. 4	• 1		•0				11	7.8
NNE	1.0	1.5	2.2	1.6	. 1	•0						6.7	8.0
NE	1.1	1.5	1.7	. 8	• 11	• 3						5.4	6.8
ENE	1.7	1.5	1.0	• 2	• 0	• 0						3.8	5.6
E	1.5	2.0	1.0	• 1	• 0							4.6	5.0
ESE	1.1	1.6	. 9	• 2	.0	· C						3.8	5.3
SE	1.5	3.2	2.9	• 9	•0	• 0						5.5	6.5
SSE	1.6	4.0	4.4	1.6	• 1	0.	• 0					11.7	7.1
5	2.0	4.9	5.0	1.7	• 1	.0						13.7	6.9
SSW	1.1	2.3	1.4	. 4	• 0	• ೧						4.9	5.9
SW	1.0	1.4	. 7	• 1	• 0							3.2	5.1
WSW	• 7		. 4	• 1	• 🖰	0.						2.0	5.0
w	• 6	• 6	• 3	• 1	• 0	•0	• 0					1.7	5.4
WNW	• 3	• 2	• 2	• 1	•0	•0						- 8	6.5
NW	. 5	5	• 3	• 2	•1	•0	• 0					1.6	6.4
NNW	2.1	2.4	• 8	• 5	• 2	.0	•0					6 • D	5 • 5
VARBL													
CALM	$\geq \leq$	> <	$\geq <$	> <	\geq	\times	> <	\geq	\geq	\geq	><	11.6	
	17.3	31.6	25.5	10.8	1.0	• 2	.0	•0				100.0	5.8

TOTAL NUMBER OF OBSERVATIONS 67631

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PECHAL CLIMATOLOGY BRANCH CHIESTAC ATT WEATHER SERVICE/MAC

SURFACE WINDS

PERCENTAGE FREQUENCY OF WIND DIRECTION AND SPEED (FROM HOURLY OBSERVATIONS)

7:2:36	- ANCOLPH AFB TX 69-73.73-61	ALL
STATION	STATION NAME YEARS	MONTH
	INSTRUMENT	ALL
	CLASS	HOURS (L.S.T.)
	CIG 200 TO 1400 FT W/ VSBY 1/2 MI OR MORE,	
	CONDITION	

AND/OR VSBY 1/2 TO 2-1/2 MI W/CIG 200 FT OR MORE

SPEED (KNTS) DIR.	1 - 3	4 - 6	7 - 10	11 - 16	17 - 21	22 - 27	28 - 33	34 - 40	41 - 47	48 - 55	≥54	*	MEAN WIND SPEED
N	1.7	1.5	2.3	1.7	•_3	ن •						7.1	8.3
NNE	۰ ۹	1.7	3.2	2.4	• 1	ů						8.4	8.6
NE	1.7	2.6	2.6	1.2	• 1	•						7.8	7.0
ENE	1.2	2.1	1.3	• 3	• 5	.0						4.9	5.6
ŧ	1.7	2.3	9.	• 2	•0							5.0	4.8
ESE	1.3	1.4	1.0	• 1	• 0							3.9	5.3
SE	1.7	3.1	2.9	.6	•0	•0					1	8.4	6.3
SSE	1.7	4.5	5.2	1.1	• 0	0	0					12.6	6.8
8	2.1	7.0	6.8	1.5	•0							17.5	6.6
SSW	1.2	2.4	1.5	. 4		•0						5.4	5.9
SW	٩	1.4	.6	• 1								2.8	5.0
WSW	5	. 4	•2	• 0	.0							1.2	4.6
w	• 5	. 4	• 2	.0								1.1	4.6
WNW	• 1	• 1	• 1	•0		• 0					Ī	. 4	6.0
NW	• 3	.2	.1	.0	.0]		• 6	4.9
NNW	.7	• 5	• 3	•2	•0							1.7	5.4
VARBL													
CALM	$\supset <$	> <	\times	\boxtimes	\times	\times	> <	$\geq \leq$	\geq	\boxtimes	$\geq \leq$	11.3	
	17.3	31.8	29.1	9.7	.6	.1	.0					100.0	5.8

	100.0	5.8	
TOTAL NUMBER OF OBSERVATION	18	14595	

USAFETAC FORM 0-8-5 (OL-A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

U S AIR FORCE
ENVIRONMENTAL TECHNICAL
APPLICATIONS CENTER

PART D

CEILING VERSUS VISIBILITY

This summary is a bivariate percentage frequency distribution by classes of ceiling from zero to equal to or greater than 20,000 feet and as a separate class "no ceiling", versus visibility in 16 classes from zero to equal to or greater than 10 miles. Data are derived from hourly observations, and three sets of tables are presented as follows:

- 1. Annual all years and all hours combined
- 2. By month all years and all hours combined
- 3. By month by standard 3-hour groups

Due to the cumulative nature of this presentation, it is possible to determine the percentage frequency of occurrence for any given limit of ceiling or visibility separately, or in combination of ceiling and visibility. The totals progress to the right and downward. Ceiling may be determined independently by referring to totals in the extreme right hand column. Also, visibility may be determined independently by reference to the horizontal row of totals at the bottom of the page. The percentage frequency for which the station was meeting or exceeding any given set of minima may be determined from the figure at the intersection of the appropriate ceiling column and visibility row. Several examples in the use of these tables are shown on pages 2 and 3 below.

U. S. Weather Bureau and Navy stations did not report ceilings within the range 10,000 feet and higher prior to January 1949. Summaries prepared from data for these stations using the earlier period and data subsequent to January 1949 will be modified to limit ceilings to 10,000 feet. Short periods of record prior to 1949 for these stations will be eliminated from the summary. For Air Force stations, the "no ceiling" category includes clear and scattered conditions, and ceilings above 20,000 feet for period through June 1948. Beginning in July 1948 for Air Force stations and January 1949 for USWB and U. S. Navy stations the "no ceiling" category consists of observations with less than 6/10 total sky cover and those cases where total sky cover is 6/10 or more, but not more than 1/2 of the sky cover is opaque.

Beginning in January 1968, METAR stations report visibilities to 6 miles and then greater than 6 miles. Thus, for METAR stations, the category equal to or greater than 10 miles is not printed in the tables, unless the summary was for a period ending before January 1968.

Continued on Reverse Side

D - 1

EXAMPLES FOR USE OF CEILING VERSUS VISIBILITY TABLES IN THIS TABULATION

CEILING							VIS	IBILITY (ST	ATUTE MI	LES)						
(FEET)	≥ 10	4≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 ⅓2	≥ 2	≥ 1 1/2	≥ 1 1/4	≥ 1	≥ ¾	≥ %	≥ γ,	≥ 5/16	≥ ¼	≥ 0
NO CEILING	\sim							<u></u>			<u> </u>	**			<u></u>	
≥ 1800 ≥ 1500					91.0											92.6
≥ 1200 ≥ 1000																
≥ 900 ≥ 80 0																
≥ 700 ≥ 600																
≥ 500 ≥ 400			<u> </u>							97.4						98.1
≥ 300 ≥ 200																
≥ 100 ≥ 0					95.4		96.9			98.3						100.

EXAMPLE # 1 Read ceiling values independently of visibility under column at right headed ≥ 0 . For instance, from the table: Ceiling ≥ 1500 feet = 92.6%.

Ceiling ≥ 500 feet = 98.1%.

EXAMPLE # 2 Read visibilities independently of ceilings on bottom line opposite ≥ 0 . From the table: Visibility ≥ 3 miles = 95.4%.

Visibility ≥ 2 miles = 96.9%.

Visibility ≥ 1 mile = 98.3%.

EXAMPLE # 3 To obtain combinations of ceiling with visibility, read figure at intersection of the two categories; i.e.: Ceiling > 1500 feet with visibility > 3 miles = 91.0%.

ADDITIONAL EXAMPLES

EXAMPLE # 4 Values below minimums stated in the table may be obtained by subtracting the value given in the table from 100%.

Thus, to obtain the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles, subtract the value read from the table at the intersection, which is 91.0, from 100.0. The answer 9.0 is the percentage of observations with ceiling < 1500 feet and/or visibility < 3 miles.

Likewise, the percentage of observations with ceiling < 500 feet and/or visibility < 1 mile is 2.6, obtained by subtracting 97.4 from 100.0.

EXAMPLE # 5 To find the percentage of observations falling within the two categories given in example above, subtract the value read from the table for the first set of limits from the value in the table for the second set of limits. The difference will be the percentage of observations meeting the lower set of limits, but not meeting the higher set of limits.

The value 91.0 read from the table at the intersection of \geq 1500 feet with \geq 3 miles, subtracted from 97.4 read from the table at the intersection of \geq 500 feet with \geq 1 mile is equal to 6.4%. Thus; 6.4 percent of the observations meet the criteria: "ceiling \geq 500 feet with visibility \geq 1 mile, but < 3 miles; or ceiling \geq 500 feet, but < 1500 feet with visibility \geq 1 mile."

Since these tabulations are prepared in several ways including by month, by 3-hour groups it is possible to determine diurnal variations of ceiling and visibility limits as well as probabilities of various ceiling-visibility combinations.

والأهارات والمتعاش الما

GLOBAL CLIMATOLOGY BRANCH OF AFETAC ATE MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 Hours (Lat.)

CEILING		-					viS	BILITY ST	ATUTE MIL	ES:						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 21/5	≥ 2	≥+%	≥1%	≥1	≥ %	≥ %	≥ ⊬.	≥5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	42.2	43.7	44.1	44.4	44.7	44.7	4.7	44.7	44.8	44.9	45.1	45.1	45.1	45.1	45.1	45.1
	43.5	45.3	45.7	46.0	46.5	46.5	,6.5	46.5	46.6	46.8	46.9	46.9	46.9	46.9	46.9	46.9
≥ 18000 ≥ 16000	43.7	45.4	45.8	46.1	46.6	46.6	46.6	46.6	46.7	46.9	47.5	47.0	47.0	47.0	47.5	47.5
≥ 14000	45.6	47.6		48.4	48.8	48.8	48.8	48.8	48.9	49.1	49.2	49.2	49.2	49.2	49.2	49.2
≥ :2000	45.8	47.8	46.7	48.6	49.0	49.0	49.0	49.0	49.1	49.4	40.5	40 5	49.5	49.5	49.5	49.5
9000€ ≤	46.9	49.1	99.6	49.9	50.3	50.3	50.3	50.3	50.4	50.6	50.B	50.8	50.8	50.8	50.8	50.9
≥ 9000	47.0	49.2	49.7	50.0	50.4	50.4	50.4	50.4	50.5	50.8	50.9	50.9	50.9	50.9	50.9	
≥ 8000	47.7	50.1	50.5	50.9	51.3	51.3	51.3	51.3	51.4	51.6	51.7	51.7	51.7	51.7	51.7	51.7
≥ 7000	48.5	50.9		51.6	52.0	52.0	52.0	52.0	52.2	52.4	52.5	52.5	52.5	52.5	52.5	
≥ 6000	48.9	51.3	51.7	52.0	52.5	52.5	52.5	52.5	52.6	52.8	52.9	52.9	52.9	52.9	52.9	52.9
≥ 5000	49.6	52.8	53.2	53.5	54.0	54.0	54.0	54.0	54.1	54.3	54 4	52.07	54 4	54.4	54.4	54.4
≥ 4500	51.1	55.3	-	56.0	56.5	56.5	56.5	56.5	56.6	56.8	56.9	56.9	56.9	56.9	56.9	56.9
2 4000	52.0	56.6	7 - 7	57.3	57.7	57.7	57.7	57.7	57.8	58.1	58.2	50.7	58.2	58.2	58.2	58.2
≥ 1500	53.4	58.1	58.5	58.8	59.2	59.2	59.2	59.2	59.4	59.6	59.7	59.7	59.7	59.7	59.7	59.7
≥ 3000	54.7	59.5	59.9	60.2	63.6	60.6	60.6	60.6	60.8	61.0			61.1	61.1		
≥ 2500	55.8	62.0	42 6	62.8	63.3	63.3	63.3	63.3		63.7	63.8	63.8	63.8		61.1	61.1
≥ 2000	56.9	63.8	64.2	44 4	45 1	65.3	65.3	65.3	65.4	65.6	65.7		65.7	63.8	63.8	63.8
≥ 1800	57.8	65.2	45.4	66.0	66.7	66.7	66.7	66.7	66.8	67.0	67.1	67.1	67.1	67.1	67.1	65.7
≥ 1500	59.5	68.4	48.0	69.4	70.0	70.1	70.1	70.1	70.2	70.4	70.5	70.5	70.5	70.5	70.5	70.5
≥ 1200	60.8	71.4	72.3	72.8	73.7	73.8	73.8	73.8	73.9	74.1	74.2	74 2	74.2	74.2	74.2	74.2
≥ ,000	61.2	73.3	78.4	75.1	76.1		74.2	76.2	76.5	74.7	76.9	76.9	76.9	76.9	76.9	76.9
≥ 900	61.7	75.1	76.2	74 0	78.2	78.3	70.3	78.3	78.5	78.7	78.9	78.9	78.9	78.9	78.9	78.9
≥ 800	62.0	76.3	77.7	78.4	79.8	79.9	80.1	80.1	80.3	80.5	80.8	80.8	80.8	80.8	80.8	80.8
≥ 700	62.0	76.7	78.4	79.1	91.1	81.2	81.5	81.6	81.8	82.0	82.3	82.3	82.3	82.3	82.3	82.3
≥ 600	62.2	77. 1	79.0	80.2	87.4	82.5	83.3	83.4	83.7	83.9	84.1	84.1	84.1	84.1	84.1	84.1
≥ 500	12.2	78.5	80.5	82.2	94.8	94.7	85.7	85.9	86.1	86.3	86.7	86.7	86.7	86.7	86.7	86.7
≥ 400	62.2	78.8	81.4	83.4	94.6	86.		88.6		89.2	89.6	:	89.7		89.8	
≥ 300	62.2	78.9	81.6	84. 2	47.2	97.0	89.4	90.4	90.8	91.3	91.7	91.7	92.0	89.7 92.0	92.2	90.0
≥ 200	62.2	79.d	81.6	94 6	47 7	0 0	90.0	91.5	92.0	92.8	17.1		04 0			
	62.2	79.0	81.6	84.5	87.5	88.3	90.0	91.6	92.2	93.1	94.3	94.0	95.7	94.9	95.3	96.3
≥ 100	62.2	79.0	81.6		97.7				92.2		94.3	7703		95.9	96.9	99.0
لنــنا	02.4	79.4	01.0	84.5	87.7	88.3	7U . U	91.6	76.6	93.1	77.5	94.3	95.7	70.U	97.1	

TOTAL NUMBER OF OBSERVATIONS ___

930

USAF ETAC PORM 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OSSOLET

a garanter de terra anage

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR CEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING				_			VIS	BILITY ST	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 21⁄.	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ ¥.	≥ 5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	40.0	41.9	42.4	43.0	43.2	43.4	43.5	43.5	43.5	43.5	43.5	43.5	43.8	43.8	43.8	43.8
	41.4	43.7	44.1	44.8	45.1	45.3	45.4	45.4	45.4	45.4	45.4	45.4	45.6	45.6	45.6	45.6
≥ 18000 ≥ 16000	41.6	44.0	44.4	45.2	45.4	45.6	45.7	45.7	45.7	45.7	45.7	45.7	45.9	45.9	45.9	45.9
≥ 14000	41.6	44.0	44.4	45.2	45.4	47.0	45.7	47.2	45.7	45.7	45.7	45.7	45.9	45.9	45.9	45.9
≥ 12000	42.6	45.3	45.8	46.6	46.8		47.2		47.2	47.2	47.2	47.2	47.4	47.7	47.4	
> 10000	42.9	45.6	46.1	46.9 48.0	47.1	47.3		47.5	47.5		47.5	47.5	47.7	49.0	49.0	47.7
≥ 9000	43.3	46.6	47.2							48.8 48.9	48.8				49.1	49.1
	43.4	46.7	47.3	48.1	48.5	48.7 49.0		48.9				48.9	49.1	49.1	49.5	49.5
≥ 8000 ≥ 7000	43.8	47.0	47.6	48.4	48.8	49.7		49.2	49.2		49.2		49.5			
	44.4	48.5	48.3	49.0	49.5		49.9		49.9			49.9	50.1	50.1	50.1	50.1
≥ 6000 ≥ 5000			49.1	49.9	50.3	50.5	50.8	50.8	50.8	50.8	50.8	50.8	51.0	51.0	51.0	
	46.0	49.4	50.0	50.8	51.2	51.4	51.6	51.6	51.6	51.6	51.6	51.6	51.8	51.8	51.8	51.8
≥ 4500 ≥ 4000	47.0	50.5	51.5	52.3	52.7	52.9	53.1	53.1	53.1	53.1	53.1	53.1	53.3	53.3	53.3	53.3
	47.7	51.4	52.4	53.1	53.5	53.8	54.0		54.0	54.0	54.0	54.0	54.2	54.2	54.2	54.2
≥ 3500 ≥ 3000	48.9	53.0	54.0	54.7	55.2	55.4	55.6	55.6	55.6	55.6	55.6	55.6	55.8	55.8	55.8	55.8
	50.5	55.3	56.2	57.0	57.4	57.6		57.8	57.8	57.8	57.8	57.8	58.1	58.1	58.1	58.1
≥ 2500 ≥ 2000	51.5	57.6	58.6	59.4	59.8	60.0		60.2	60.2	60.2	60.2	60.2	60.4	60.4	60.4	60.4
	52.2	58.7	59.7	60.4	60.9	61.1	61.3		61.3	61.3	61.3	61.3	61.5	61.5	61.5	61.5
≥ 1800 ≥ 1500	52.8	59.9	61.0	61.7	62.2	62.4	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	62.8	62.8
	53.7	62.0	63.2	64.1	64.7	64.9	65.3		65.3	65.3	65.3	65.3	65.5	65.5		65.5
≥ 1200 ≥ 1000	55.3	64.9	66.3	67.3	68.0	68.2	1	68.6	68.6	68.6	68.6	68.6	68.8	68.8	68.8	68.8
	56.7	68.2	69.6	70.6	71.3	71.5		-	71.9	71.9	72.0	72.0	72.3	72.3		-
≥ 900 ≥ 800	57.4	70.1	71.6	72.8	73.4	73.7	74.0	74.1	74 - 1	74.1	74.2	74.2	74.4	74.4	74.4	74.4
	57.5	71.g	73.1	74.4	75.1	75.4	75.7	75.8	75.8	75.8	75.9	75.9	76.1	76.1	76.1	76.1
≥ 700	57.5	72.3	74.6	76 - 1	77.q	77.3		78.0	78.0		78.1	78.1	78.3	78.3	78.3	78.3
≥ 600	57.8	73.5	76.3	77.8	79.2	79.6		80.8	80.8	80.8	80.9	80.9	81.1	81.1	81.1	81.1
≥ 500	58.0	74.7	78.d	80.g	82.2	82.5		1	83.9		84.1	84.1	84.3	84.3	84.3	84.4
≥ 400	58.0	75.3	78.9	81.5	83.9	84.3	86.2		86.9		87.2	87.2	87.6		_	
≥ 300	58.0	75.6	79.4	81.9	84.3	84.7	86.8	87.8	88.0		88.5	88.7	89.1	89.1	89.4	89.8
≥ 200	58.0	75.6	79.4	81.9		84.7		88.6	88.9		89.8	90.2	91.6	91.8		93.9
≥ 100	58.Q	75.6	79.4	81.9	84.3	84.7			89.2	89.8	90.6	91.1	92.7	93.2	94.8	97.5
≥ 0	58.0	75.6	79.4	81.9	84.3	84.7	87.1	88.8	89.2	89.8	90.6	91.1	92.7	93.2	95.2	100.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLET

- - 1 - -

930

GLERAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

RANDOLPH AFB TX

70,73-81

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING			-				viS	BILLTY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥ %	≥ 4:	≥ 5/16	≥ ¼	≥c
NO CEILING ≥ 20000	34.3	36.5	37.0	37.6	38.2	38.3	38.5	38.5	38.5	38.6	38.7	38.7	38.8	38.8	38.8	38.9
	36.5	38.8		40.3	41.0	41.1	41.3	41.3	41.3	41.4	41.5	41.5	41.6	41.6	41.6	41.8
≥ 18000	36.6	38.9	39.8	40.4	41.1	41.2	41.4	41.4	41.4	41.5	41.6	41.6	41.7	41.7	41.7	41.9
	36.8	39.1	40.0	40.6	41.3	41.4	41.6	41.6	41.6	41.7	41.8	41.8	41.9	41.9	41.9	42.2
≥ 14000 ≥ :2000	37.8	40.2	41.1	41.7	42.4	42.5	42.7	42.7	42.7	42.9	43.1	43.1	43.2	43.2	43.2	43.4
	39.2	41.7	42.6	43.2	43.9	44.0	44.2	44.2	44.2	44.4	44.6	44.6	44.7	44.7	44.7	44.9
≥ 10000 ≥ 9000	40.1	43.1	44.1	44.7	45.4	45.5	45.7	45.7	45.7	45.9	46.1	46.1	46.2	46.2	46.2	46.5
	40.4	43.7	44.6	45.3	45.9	46.0	46.2	46.2	46.2	46.5	46.7	46.7	46.8	46.8	46.8	47.0
≥ 8000 ≥ 7000	40.4	43.9	44.8	45.5	46.1	46.2	46.5	46.5	46.5	46.7	46.9	46.9	47.0	47.0	47.0	47.2
	40.3	44.2	45.2	45.8	46.5	46.6		46.8	46.8	47.0	47.2	47.2	47.3	47.3	47.3	
≥ 6000 ≥ 5000	41.4	45.1	46.1	46.8	47.4	47.5	47.7	47.7	47.7	48.0	48.2	48.2	48.3	48.3	48.4	48.6
	42.6	46.6	47.6	48.3	48.9	49.0		49.2	49.2	49.5	49.7	49.7	49.8	49.8	49.9	
≥ 4500 ≥ 4000	43.3	47.7	48.9	49.6	50.2	50.3	50.5	50.5	50.5	50.8	51.0	51.0	51.1	51.1	51.2	
	43.7	48.2	49.4	50.0	50.6	50.8	51.0		51.0		51.4	51.4	51.5	51.5	51.6	
≥ 3500 ≥ 3000	44.7	50.4	51.6	52.3	52.9	53.0	53.2	53.2	53.2	53.4	53.7	53.7	53.8	53.8	53.9	54.1
	46.2	52.4	53.5	54.2	54.8	54.9	55.2	55.2	55.2	55.4	55.6	55.6	55.7	5.7	55.8	56.0
≥ 2500 ≥ 2000	47.6	54.6	55.9	56.7	57.3	57.4	57.6	57.6	57.6	57.8	58.1	58.1	58.2	58.2	58.3	58.5
2 2000	49.8	58.7	60.2	61.2	61.8	61.9	62.2	62.2	62.2	62.4	62.6	62.6	62.7	62.7	62.8	63.0
≥ 1800	50.1	59.2	60.9	61.8	62.6	62.7	62.9	62.9	62.9	63.1	63.3	63.3	63.4	63.4	63.5	63.8
≥ 1500	51.2	61.8	63.8	64.8	65.8	65.9	66.1	66.1	66.1	66.3	66.6	66.6	66.7	66.7	66.8	67.0
≥ 1200	52.4	64.7	67.1	68.3	69.5	69.6	69.8	69.8	69.8	70.0	70.2	70.2	70.3	70.3	70.4	70.6
≥ ,000	52.9	66.0	68.6	69.9	71.2	71.4	71.6	71.6	71.6	71.8	72.0	72.0	72.2	72.2	72.3	72.5
≥ 900	53.2	69.1	71.7	73.0	74.4	74.6	74.8	74.8	74.8	75.1	75.3	75.3	75.4	75.4	75.5	75.7
≥ 800	53.5	70.1	73.0	74.3	75.8	76.2	76.5	76.5	76.5	76.7	76.9	76.9	77.0	77.0	77.1	77.3
≥ 700	53.5	70.9	74.0	75.6	77.2	77.6	78.0	78.0	78.1	78.3	78.5	78.5	78.6	78.6	78.8	79.0
≥ 600	53.8	71.9	75.6	77.2	79.4	79.8	80.2	80.3	80.4	80.6	80.9	80.9	81.1	81.1	81.3	81.5
≥ 500	54 • C	72.5	76.2	78.2	80.9	81.4	82.6	83.0	83.2	83.4	83.7	83.7	83.9	83.9	84.2	84.4
≥ 400	54.0	72.9	76.8	79.2	82.3	83.0	84.6	85.4	85.7	86.1	86.3	86.3	86.6	86.6	87.1	87.4
≥ 300	54.0	72.9	76.8	79.4	82.4	83.1	85.2	86.2	86.7	87.5	88.1	88.1	88.6	88.7	89.4	90.1
≥ 200	54 • C	72.9	76.8	79.4	82.4	83.1	85.2	86.9	87.5	88.7	89.7	89.8	90.8	91.2	92.3	94.0
≥ 100	54 • C	72.9	76.8	79.5	82.5	83.2	85.4	87.1	87.7	89.0	90.1	90.2	91.6	92.6	94.3	97.3
≥ 0	54 • C	72.9	76.8	79.5	82.5	83.2	85.4	87.1	87.7	89.0	90.1	90.2	91.6	92.7	94.4	100.0

930 TOTAL NUMBER OF OBSERVATIONS ___

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

reiling							VIS	BILITY ST	ATUTE MIL	ES				·		
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥×	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	35.6 40.3	38.6 43.8		39.1	39.1	39.2 44.7	39.2	39.4	39.4	39.4	39.4	39.4 44.8	39.4	39.4 44.8	39.4	39.4
≥ 18000 ≥ 16000	40.5	44.0	44.8	44.8	44.8	44.9	44.9	45.1 45.2	45.2	45.1	45.1	45.1 45.2	45.1 45.2	45.1 45.2	45.1	45.1
≥ 14000 ≥ 12000	41.2	44.7	45.6	45.6	45.6	45.7	45.7	45.8	45.8 46.5	45.8	45.8	45.8	45.8	45.8	45.8	45.8
00001 ≤	43.2 44.0	47.7		47.8	47.8	48.0	48.0	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3	48.3
≥ 8000 ≥ 7000	44.6	48.2	اء ما	49.0	49.0	49.1	49.1	49.4	49.4	49.4	49.4	49.4	49.4	49.4	49.5	49.5
≥ 6000 ≥ 5000	45.4	49.5	50.4 52.6	50.4	50.4	50.5	50.5	50.8	50.8	50.8	50.8	50.8	50.8	50.8	50.9 53.0	50.9
≥ 4500 ≥ 4000	47.6	52.7	53.7 54.6	53.7 54.6	53.7 54.6	53.8	53.8	54.0	54.0	54.0 54.9	54.0	54.0 54.9	54.0 54.9	54.0	54.1 55.1	54.1 55.1
≥ 3500 ≥ 3000	48.7 50.0	54.5	55.8 57.4	55.8 57.4	55.8 57.4	55.9 57.5	55.9 57.5	56.1 57.7	56.1 57.7	56.1 57.7	56.1 57.7	56.1 57.7	56.1 57.7	56.1 57.7	56.2 57.8	56.2 57.8
≥ 2500 ≥ 2000	52.5 54.1	59.2	60.6 63.8	60.6	60.6 64.1	60.8	60.9 64.3	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
≥ 1800 ≥ 1500	54.8 55.6	63.5	65.3 67.0	65.4	65.6	65.7	65.8	66.D	66.0 68.2	66.0	66.0 68.2	66.0 68.2	66.0 68.2	66.0	66.1 68.3	66.1 68.3
≥ 1200 ≥ 1000	57.3 58.4	68.6 71.0	70.6 73.4	71.1 74.0	71.3	71.6	71.7 74.8	72.0 75.2	72.2 75.3	72.2 75.3	72.2 75.3	72.2 75.3	72.2 75.3	72.2 75.3	72.3 75.4	72.3 75.4
≥ 900 ≥ 800	58.6 59.1	71.9	74.5 76.5	75.2 77.4	75.6 78.5	76.0 78.9	76.1 79.1	76.6	76.7 79.7	76.7 79.7	76.7 79.7	76.7 79.7	76.7 79.7	76.7 79.7	76.8 79.8	76.8 79.8
≥ 700 ≥ 600	59.4 59.4	74.1 74.6	77.4 78.5	78.5 79.7	79.9 81.4	80.4 81.9	80.9 82.7	81.3	81.4	81.5 83.8	81.6 64.0	81.6 84.0	81.6 84.0	81.6 84.0	81.7 84.1	81.7
≥ 500 ≥ 400	59.4 59.4	74.8 75.3	79.1 79.9	80.4	82.7	83.4	84.7 85.9	85.9	86.0	86.6 89.0	86.9 89.7	87.0 89.8	87.0 89.8	87.0 90.0	87.1 90.1	87.1 90.1
≥ 300 ≥ 200	59.4 59.4	75.3 75.3	80.0	81.5	84.0 84.0	84.7	86.6	88.8	89.5	91.6 92.5	93.7	93.8 95.1	94.2 96.0	94.6 96.8	94.8 97.1	95.4 98.5
≥ 100 ≥ 0	59.4 59.4	75.3 75.3	80.0 80.0	81.5 81.5	84.0 84.0	84.7	86.8	89.1	89.8	92.6 92.6	95.1 95.1	95.2 95.2	96 • 2 96 • 2	97.0 97.0	97.6 97.6	99.6 100.0

TOTAL NUMBER OF OBSERVATIONS _____930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7 2536

RANDOLPH AFB TX

70,73-81

VAL HTHOM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

12J0-1400

CEILING							vis	BILITY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥11/4	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ %	≥0
NO CEILING	41.9	44.6	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9	44.9
≥ 20000	46.9	50.0	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 18000	46.9	50.0	50.3	50.3			50.3		50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 16000	46.9	50.0		50.3		50.3			50.3	50.3	50.3	50.3	50.3	50.3	50.3	50.3
≥ 14000	47.3	50.5	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9	50.9
≥ :2000	48.2	51.4		51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7	51.7
≥ 10000	49.6	53.3	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
≥ 9000	49.9	53.8		54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2	54.2
≥ 8000	50.6	54.6	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1	55.1
≥ 7000	50.9	54.8	55.2	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3	55.3
≥ 6000	51.4	55.5	55.8	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	55.9	\$5.9	55.9
≥ 5000	52.9	57.4	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8		57.8	57.8
≥ 4500	54.4	58.9	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 4000	55.2	60.0	60.3	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
≥ 3500	57.Q	61.8	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 3000	59.Q	64.0	64.3	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4	64.4
≥ 2500	61.7	67.3	67.6	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 2000	65.3	72.0	72.5	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6	72.6
≥ 1800	65.9	72.7	73.1	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
≥ 1500	68.2	76.0	76.7	76.8	76.8	76.9	76.9	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0	77.0
≥ 1200	70.1	79.7	80.8	81.3	81.5	81.6	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ ,000	70.9	81.6	82.8	83.7	84.2	84.3	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
≥ 900	71.0	82.8	84.1	84.9	85.5	85.6	85.9	86.0	86 . D	86.0	86.0	86.0	86.0	86.0	86.0	86.0
≥ 800	71.4	83.5	84.9	85.9	86.6	86.7	87.0	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
≥ 700	71.5	84.0	85.8	87.1	88.3	88.4	89.1	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2	89.2
≥ 600	73.7	84.6	86.7	88.0	89.2	89.4	90.3	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6	90.6
≥ 500	71.7	84.9	87.3	88.7	90.3	90.9	92.4	93.5	93.7	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 400	71.7	85.1	87.4	88.8	90.6	91.4	93.3	94.6	94.9	95.8	95.8	95.8	95.9	95.9	95.9	95.9
≥ 300	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.4	98.0	98.0	98.1	98.1	98.2	98.2
≥ 200	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.5	98.6	98.6	99.0	99.0	99.4	99.8
≥ 100	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.5	98.6	98.6	99.0	99.0	99.5	99.9
≥ 0	71.7	85.1	87.4	89.0	91.0	91.7	93.7	95.2	95.7	97.5	98.6	98.6	99.0	99.0	99.5	00.0

TOTAL NUMBER OF OBSERVATIONS ____

930

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLET

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

122536

RANDOLPH AFB TX

70,73-81

JAN

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1530-1700

CEIUNG							VIS	BILITY ST	ATUTE MILI	ES					-	
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥+%	≥11/4	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	46 • 3 54 • 2	48.2 56.2	48.2 56.2	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3	48.3 56.3
≥ 18000 ≥ 16000	54 • 6 54 • 7	56.8 56.9	56.8 56.9	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0	56.9 57.0
≥ 14000 ≥ 12000	54.3 55.4	57.0 57.5		57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6	57.1 57.6
≥ 10000 ≥ 9000	57.0 57.1	59.5 59.8	1 - 1	59.6 59.9	59.6 59.9	59.6 59.9	59.6 59.9	59.6 59.9	59.6 59.9		59.6 59.9	59.6 59.9	59.6 59.9	59.6 59.9	59.6 59.9	59.6 59.9
≥ 8000 ≥ 7000	58.2 58.7	60.9 61.4	60.9 61.4	61.0 61.5	61.0 61.5	61.0 61.5	61.0 61.5	61.0 61.5	61.0 61.5	61.5	61.0 61.5	61.0 61.5	61.0 61.5	61.0	61.5	61.5
≥ 6000 ≥ 5000	58.8 61.2	61.7 64.7	61.7 64.7	61.8 64.8	61.8 64.8	61.8 64.8	61.8 64.8	61.8	61.8 64.8		61.8	61.8 64.8	61.8	61.8	61.8 64.8	61.8 64.8
≥ 4500 ≥ 4000	61.6 62.5	65.2 66.0	66.0	65.3 66.1	65.3 66.1	65.3	65.3 66.2	65.3 66.2	65.3 66.2	65.3 66.2	65.3 66.2	65.3	65.3 66.2	65.3 66.2	65.3	65.3 66.2
≥ 3500 ≥ 3000	65.1 66.9	69.2 71.5	71.5	69.4 71.6	69.5 71.7	69.6 71.8		69.6 71.8	69.6 71.8		69.6 71.8	69.6 71.8	69.6 71.8	69.6	69.6	69.6 71.8
≥ 2500 ≥ 2000	71.4	75.2 78.0	78.0	75.3 78.2	75.4	75.5 78.4	75.5 78.4	75.5 78.4	75.5 78.4	75.5 78.4	75.5 78.4	75.5	75.5 78.4	75.5 78.4	75.5 78.4	75.5 78.4
≥ 1800	72.6	79.7 82.2	79.7 82.2	79.9 82.4	80.0	80.1 82.6	80.1 82.6	80.1	80.1	80.1 82.6	80.1 82.6	80.1 82.6	80.1 82.6	80.1 82.6	80.1 82.6	80.1
≥ 1200	75.5 75.6	84.5	84.6	85.3 87.0	85.6 87.4	85.7	85.8	87.6	85.8	85.8	85.8 87.6	85.8 87.6	85.8	85.8 87.6	85.8 87.6	85.8 87.6
≥ 900 ≥ 800 > 700	75.7 75.7	86.1 86.3	86.7	87.6	88.3 88.8	88.9	88.5 89.0	88.5 89.1 90.4	88.5 89.2	88.5 89.2 90.6	88.5 89.2 90.6	88.5 89.2 90.6	88.5 89.2 90.6	88.5 89.2 90.6	88.5 89.2 90.6	88.5 89.2 90.6
≥ 600	76.1 76.1	87.6	87.5 88.2 88.5	88.5 89.5 90.1	91.1 92.3	91.3 92.6	91.6 93.0	92.5	92.7	1	92.8	92.8	92.8	92.8	92.8	92.8
≥ 500 ≥ 400 ≥ 300	76.1	88.0	88.6	90.2	92.7	93.0	93.4	95.1	95.3	95.9	96.2 98.3	96.2	96.2	96.2	96.2	96.2 98.7
≥ 200 ≥ 100	76.1	88.0	88.6	90.2		93.1	93.5	95.4	95.9		98.6	98.8	99.2	99.4	99.7	99.8
≥ 0	76.2	88.1	88.7	90.3	92.9		93.7	95.5	96.0		98.7	98.9	99.4	99.5		100.0

TOTAL NUMBER OF OBSERVATIONS ______933

USAF ETAC JUL 44 0-16-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH OCAFETAC ATT AEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

772536

RANDOLPH AFB TX

70,73-81

JAN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2000 HOURS (LS.T.)

CEILING							VIS	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ 9:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	49.5	51.5 57.3	51.5 57.3	51.5 57.3	51.5 57.3	51.5 57.3	51.5 57.3		51.5 57.3	51.5 57.3	51.6 57.4	51.6 57.4	51.6 57.4	51.6 57.4	51.6 57.4	51.6
≥ 18000 ≥ 16000	5 5.1	57.4	57.4	57.4 57.6	57.4 57.6	57.4	57.4 57.6	57.4	57.4	57.4 57.6	57.5 57.7	57.5 57.7	57.5 57.7	57.5 57.7	57.5	57.5
≥ 14000 ≥ 12000	56.2	58.6	58.6	58.6	58.6 59.8	58.6	58.6	58.6	58.6 59.8	58.6 59.8	58.7 59.9	58.7	58.7	58.7		58.7
≥ 10000 ≥ 9000	57.7	60.5 60.6	60.5 60.6	60.5	60.5 60.6	60.5	60.5 60.6	60.5 60.6	60.5	60.5 60.6	60.6	60.6 60.8	60.6	60.6	60.6	60.6
≥ 8000 ≥ 7000	58.8	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7
≥ 6000 ≥ 5000	59.6 60.6	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 4500 ≥ 4000	62.3	66.0	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.3	66.3	66.3	66.3	66.3	66.3
≥ 3500 ≥ 3000	64.6 66.0	69.4	69.5	69.6	69.7 71.8	69.7 71.8	69.7	69.7	69.7 71.8	69.7 71.8	69.8	69.8	69.8	69.3	69.8	69.8
≥ 2500 ≥ 2000	68.4 70.1	74.7	74.9 78.1	75.2 78.3	75.5 78.6	75.5 78.6	75.5 78.6	75.5 78.6	75.5 78.6	75.5 78.6	75.6 78.7	75.6 78.7	75.6 78.7	75.6 78.7	75.6 78.7	75.6
≥ 1800 ≥ 1500	71.0 72.4	79.D	79.2 81.9	79.5 92.3	79.9 82.9	79.9	79.9	79.9 82.9	79.9 82.9	79.9 82.9	80.0 83.0	80.0	80.0 83.0	80.0 83.0	80.0 83.0	
≥ 1200 ≥ ₁000	72.6 72.8	82.8	83.1	83.5 84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.5	84.5	84 • 5 85 • 5	84.5 85.5	84.5 85.5	84.5 85.5
≥ 900 ≥ 800	72.8 72.8	84.0	84.4	85.2 85.5	86.3 87.0	86.3 87.0	86.6	86.6 87.3	86.6	86.6	86.7 87.5	86.7 87.5	86.7 87.5	86.7 87.5	86.7 87.5	86.7 87.5
≥ 700 ≥ 600	72.8 72.8	84.1	84.6 85.6	85.7 87.2	87.2 89.2	87.4 89.7	88.0 90.2	88.1	88.2 90.5	88.2	88.3 91.0	88.3 91.0	88.3 91.0	88.3 91.0	88.3 91.0	88.3 91.0
≥ 500 ≥ 400	72.8 72.8	85.5 85.5	86.5 86.7	88.2 88.4	90.6 91.1	91.1 91.8	91.8 92.8	92.4 93.4	92.6 94.0	92.9	93.1 95.3	93.1 95.3	93.2 95.4	93.2 95.4	93.2 95.4	93.2 95.4
≥ 300 ≥ 200	72.8 72.8	95.5 85.5	86.7 86.7	88 • 5 88 • 5	91.2 91.2	91.9 91.9	93.2 93.2	94.0 94.0	94.8 94.9	96.1 96.2	97.0 97.3	97.0 97.3	97.4 98.7	97.4 98.7	97.4 98.7	97.4 98.9
≥ 100 ≥ 0	72.8 72.8	85.5 85.5	86.7 86.7	88.5 88.5		91.9 91.9	93.2 93.2	94.0 94.0		96.2 96.2	97.4 97.4	97.4 97.4	98.9 98.9	99.0 99.0		100.0

TOTAL NUMBER OF OBSERVATIONS ____

930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE ORSOLETE

اسمن بسم

GLORAL CLIMATOLOGY BRANCH USAFETAC ATS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722<u>5</u>36

RANDOLPH AFB TX

76,73-81

JAN

STATION

STATION NAM

YEAR

2100-2303 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ ५:	≥ 5/16	2 %	≥0
NO CEILING ≥ 20000	46.8	48.8		49.2			49.4							49.5		
2 20000	49.5									52.3				52.4		52.7
≥ 18000	50.0	52.5	52.9	52.9				53.0						53.1		
≥ 16000	50.1	52.6	53.0	53.0	53.0	53.0	53.1	53.1	53.1	53.1	53.1	53.1	53.2	53.2	53.4	53.5
≥ 14000	50.8	53.2	53.7	53.7	53.7	53.7	53.8	53.8	53.8	53.8	53.8	53.8	53.9	53.9	54.1	54.2
≥ :2000	51.0	53.4	53.9	53.9	53.9	53.9	54.0	54.0	54.0		54.0	54.0	54.1	54.1	54.3	54.4
≥ 10000	51.7	54.5	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.5	55.6
≥ 8000	51.7	54.5	54.9	54.9	54.9	54.9	55.1	55.1	55.1	55.1	55.1	55.1	55.3	55.3	55.5	55.6
≥ 8000	52.3	55.3	55.7	55.7	55.7	55.7	55.8	55.8	55.8	55.8	55.8	55.8	56.0	56.0	56.2	56.3
≥ 7000	52.6	55.8	56.2	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.3	56.6	56.6	56.8	56.9
≥ 6000	52.9	56.3	56.8	56.8	56.8	56.8	56.9	56.9	56.9	56.9	56.9	56.9	57.1	57.1	57.3	57.4
≥ 5000	54.3	58.3	58.7	58.7	58.7	58.7	58.8	58.8	58.8	58.8	58.8	58.8	59.0	59.0	59.2	59.4
≥ 4500	56.3	61.0	61.4	61.5	61.5	61.5	61.6	61.6	61.6	61.6	61.6	61.6	61.8	61.8	62.0	62.2
≥ 4000	56.9	61.9	62.4	62.5	62.5	62.5	62.6	62.6	62.6	62.6	62.6	62.6	62.8	62.8	63.0	63.1
≥ 3500	58.2	63.9	64.3	64.4	64.4	64.4	64.5	64.5	64.5	64.5	64.5	64.5	64.7	64.7	64.9	65.1
≥ 3000	59.8	65.6	66.0	66.1	66.3	66.3	66.5	66.5	66.5	66.5	66.5	66.5	66.7	66.7	66.9	67.0
≥ 2500	62.2	69.1	69.6	69.7	70.0	70.0	70.1	70.1	70.1	70.1	70.1	70.1	70.3	70.3	70.5	70.6
≥ 2000	63.8	71.8	72.3	72.4	72.7	72.7	72.8	72.8	72.8	72.8	72.8	72.8	73.0	73.0	73.2	73.3
≥ 1800	64.9	73.1	73.5	73.7	74.1	74.1	74.2	74.2	74.2	74.2	74.2	74.2	74.4	74.4	74.6	74.7
≥ 1500	65.8	75.3	75.7	75.8		76.2	76.3	76.3	76.3	76.3	76.3	76.3	76.6	76.6	76.8	76.9
≥ 1200	67.0	77.6		78.4			79.2	79.2		$\overline{}$				79.5		79.8
≥ .000	67.1	79.d				81.0		81.1			81.1					
≥ 900	67.3	80.5		81.9					83.5					83.8		
≥ 800	67.4	81.5				84.5		84.8		_				85.1	85.3	
≥ 700	67.4	81.6		83.4					85.8					86.1	86.3	
≥ 600	67.4	82.2		84.2		86.8		1			- 1		_			
≥ 500	67.4	82.8		85.2						89.8				90.2		90.5
≥ 400	67.4	83.0		1		90.2										
≥ 300	67.4	83.0		86.2		90.3				93.2				94.1		
≥ 200	67.4	83.Q				90.3										
≥ 100	67.4									94.2			_	97.6		99.5
2 0	67.4					90.3		1				The state of the s	97.4			
	01.4	33.U	<u> </u>	30 • 4	30.57	7003	7 4 9 1	7 6 8 0	7.3.4	7702	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	/343	7	/100	7007	<u> </u>

TOTAL NUMBER OF OBSERVATIONS __

93C

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH OSAFETAC ATH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAL

TION STATION P

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CELLING							VIS	iB.Li™Y ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ : %:	21%	≥1	24	≥ %	≥ %:	≥ 5/16	≥ '4	≥0
NO CEILING	42.1	44.2	44.6	44.8	44.9	45.0	45.0	45.0	45.0	45.1	45.1	45.1	45.2	45.2	45.2	45.2
≥ 20000	45.9	48.3		49.0			49.3			49.3	49.4	49.4	49.4	49.4	49.4	49.5
≥ 18000	46.1	48.6		49.3	49.4	49.5	49.5	49.5	49.6	49.6	49.6	49.6	49.7	49.7	49.7	49.8
≥ 16000	46.3	48.6		49.4			49.7		49.7	49.8	49.8	49.8	49.9	49.9	49.9	
≥ 14000	47.0	49.7	, <u>-</u> /	50.3			50.6			50.7	50.7	50.7	50.8	50.8	50.8	50.8
≥ :2000	47.7			51.0			51.3			51.4	51.4	51.4	51.5	51.5		51.5
≥ 10000	48.7	51.7		52.4	52.6		52.7		52.8	52.8	52.9	52.9	52.9	52.9	53.0	[
≥ 9000	48.9									53.1	53.2	53.2	53.2	53.2	53.3	53.3
≥ 8000	49.5	52.7		53.4	53.6	53.6	53.7	53.7	53.7	53.8	53.8	53.8	53.9	53.9	54.0	54.0
≥ 7000	50.0	53.2			54.1	54.2	54.2			54.3	54.4	54.4		54.4	54.5	54.5
≥ 6000	50.5	53.8	54.3	54.5	54.7	54.8	54.8	54.9	54.9	54.9	55.0	55.0	55.1	55.1	55.1	55.1
≥ 5000	51.7	55.6		56.3	56.5	56.6	56.7		56.7	56.7	56.8	56.8	56.9	56.9	56.9	57.0
≥ 4500	53.0	57.2	57.7	58.0	58.2	58.2	58.3	58.3	58.3	58.4	58.4	58.4	58.5	58.5	58.6	58.6
≥ 4000	53.7	58.1	58.7	59.0	59.2	59.2	59.3	59.3	59.3	59.4	59.4	59.4	59.5	59.5	59.6	59.6
≥ 3500	55.1	60.0	60.6	60.9	61.1	61.2	61.3	61.3	61.3	61.3	61.4	61.4	61.5	61.5	61.5	61.6
≥ 3000	56.7	61.9	62.5	62.8	63.1	63.1	63.2	63.2	63.3	63.3	63.4	63.4	63.4	63.4	63.5	63.5
≥ 2500	58.6	65.0	65.6	65.9	66.2	66.3	66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.6	66.7
≥ 2000	60.4	67.9	68.6	68.9	69.3	69.3	69.4	69.4	69.5	69.5	69.6	69.6	69.6	69.6	69.7	69.7
≥ 1800	61.3	69.0	69.8	70.1	70.5	70.6	70.7	70.7	70.7	70.8	70.8	70.8	70.9	70.9	70.9	71.0
≥ 1500	62.6	71.6	72.4	72.8	73.3	73.4	73.5	73.5	73.6	73.6	73.7	73.7	73.8	73.8	73.8	73.8
≥ 1200	63.9	74.3	75.4	76.0	76.6	76.7	76.9	76.9	76.9	77.0	77.1	77.1	77.1	77.1	77.2	77.2
≥ ,000	64.4	76.Q	77.3	78.1	78.8	79.0	79.1	79.2	79.2	79.3	79.4	79.4	79.4	79.4	79.5	79.5
≥ 900	64.7	77.5	78.8	79.7	80.6	80.8	81.0	81.0	81.1	81.1	81.2	81.2	81.3	81.3	61.3	81.4
≥ 800	64.7	78.3	79.8	80.8	82.0	82.2	82.4	82.5	82.6	82.7	82.7	82.7	82.8	82.8	52.9	[82.9]
≥ 700	65.0	78.8	80.6	81.8	83.2	83.4	83.9	84.0	84.1	84.2	84.3	84.3	84.4	84.4	84.4	84.5
≥ 600	65.1	79.6	81.6	83.0	84.8	85.1	85.8	86.1	86.2	86.4	86.5	86.5	86.6	86.6	86.7	86.7
≥ 500	65.2	80.2	82.5	84.1	86.4	86.9	87.9	88.6	88.7	89.0	89.2	89.2	89.3	89.3	89.4	89.4
≥ 400	65.2	80.5	83.0	84.9	87.4	88.1	89.5	90.5	90.7	91.3	91.6	91.6	91.7	91.8	91.9	92.0
≥ 300	65.2	80.5	83.1	85.1	87.7	88.4	90.0	91.3	91.8	92.8	93.6	93.7	94.0	94.1	94.3	94.6
≥ 200	65.2	80.5	83.1	85.2	87.8	88.5	90.1	91.7	92.3	93.5	94.7	94.8	95.9	96.1	96.6	97.4
≥ 100	65.2	80.5	83.1	85.2	87.8		90.2			93.7	95.0	95.1	96.4	96.7	97.6	
≥ 0	65.2	80.6		85.2	87.8		90.2			93.7	95.0		96.4	96.8	97.7	00.0

TOTAL NUMBER OF OBSERVATIONS ____

7440

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OPSOLETE

. 3

SECRAL CLIMATOLOGY BRANCH USAFETAC ATH MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722<u>9**36**</u>

MANDOLPH AFB TX

70,73-81

FEB

3000-0205 HOURS (L.S.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

#FEE*) NO (EILING) ≥ 70000 ≥ 18000 ≥ 6007 ≥ 14000	≥ 0 44.6 46.3 45.5	≥6 43.5 50.6	≥5 49•1	≥ 4	≥ 3	≥21⁄.										
≥ 20000 ≥ 18000 ≥ 18000	46.3		49.1			-1/.	≥ 2	≥+%	≥1%	ا≤	≥ ¾	≥ %	≥ ∀:	≥ 5/16	≥ ¼	≥0
≥ 18000 ≥ 16000		50.6		49.1	49.3	49.3	49.3	49.4	49.4	49.4	49.5	49.5	49.8	49.8	49.9	50.1
≥ 16000	45.5		51.2	51.2	51.4	51.4	51.4	51.5	51.5	51.5	51.7	51.7	51.9	51.9	52.0	52.2
		53.7	51.3	51.3	51.5	51.5	51.5		51.7	51.7	51.8	51.8	52.0	52.0	52.1	52.4
1 - 14000 1	47.3	51.3	51.9	51.9	52.1	52.1	52.1	52.2	52.2	52.2	52.4	52.4	52.6	52.6	52.7	53.C
	47.6	51.9	52.5	52.5	52.7	52.7	52.7	52.8	52.8	52.8	53.0	53.0	53.2	53.2	53.3	53.5
≥ 5000	47.9	52.2	52.8		53.1	53.1	53.1	53.2	53.2	53.2	53.3	53.3	53.5	53.5	53.7	53.9
≥ '0000'	43.3	53.0	53.5	53.5	53.8	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.3	54.3	54.4	54.6
≥ 800C	48.3	53.0	53.5	53.5	53.8	53.8	53.8	53.9	53.9	53.9	54.0	54.0	54.3	54.3	54.4	54.6
≥ 8000	49.5	54.1	54.7	54.7	55.0	55.0	55.0	55.1	55.1	55.1	55.2	55.2	55.4	55.4	55.6	55.8
≥ 7000	5 0. 0	54.7	55.3	55 • 3	55.6	55.6	55.6	55.7	55.7	55.7	55.8	55.8	56.0	56.0	56.1	56.4
≥ 6000	53.1	55.0	55.6	55.6	55.8	55.8	55.8	55.9	55.9	55.9	56.0	56.8	56.3	56.3	56.4	56.6
≥ 5000	51.5	57.1	57.7	57.7	57.9	57.9	57.9	58.0	58.0	58.0	58.2	58.2	58.4	58.4	58.5	58.7
≥ 4500	52.5	58.4	59.2	59.6	59.8	59.8	59.8	59.9	59.9	59.9	60.0	60.0	60.3	60.3	60.4	60.6
≥ 400C	52.9	58.7	59.6	59.9	60.2	60.2	60.2	60.3	60.3	60.3	60.4	60.4	60.6	60.6	60.8	61.0
≥ 3 50 0	53.2	59.6	60.4	60.8	61.0	61.0	61.0	61.1	61.1	61.1	61.2	61.2	61.5	61.5	61.6	61.8
≥ 3000	54.5	61.5	62.4	62.8	63.0	63.0	63.0	63.1	63.1	63.1	63.2	63.2	63.5	63.5	63.6	63.8
≥ 2500	55.4	63.2	64.2	64.5	64.8	64.8	64.8	64.9	64.9	64.9	65.0	65.0	65.2	65.2	65.4	65.6
≥ 2000	57.4	66.4	67.4	68.0	68.3	68.3	68.3	68.4	68.4	68.4	68.6	68.6	68.8	68.8	68.9	69.1
≥ 1800	57.8	67.1	68.1	68.9	69.3	69.3	69.3	69.4	69.4	69.4	69.5	69.5	69.7	69.7	69.9	70.1
≥ 1500	59.Q	69.6	70.8	71.6	72.0	72.0	72.0	72.1	72.1	72.1	72.2	72.2	72.5	72.5	72.6	72.8
≥ 1200	60.2	7 .6	74.0	74.9	75.5	75.5	75.5	75.7	75.7	75.7	75.8	75.8	76.2	76.2	76.4	76.6
≥ ,000	60.9	75.7	77.1	78.1	78.8	78.8	78.8	79.0	79.0	79.0	79.1	79.1	79.6	79.6	79.7	79.9
≥ 900	61.2	78.3	80.0	81.1	81.8	81.8	81.8	81.9	81.9	81.9	82.0	82.0	82.5	82.5	82.6	82.9
≥ 800	61.8	80.5	82.4	83.6	84.3	84.3	84.3	84.4	84.4	84.4	84.5	84.5	85.0	85.0	85.1	85.3
≥ 700	62.2	82.2	84.2	85.8	86.5	86.5	86.5	86.6	86.6	86.6	86.8	86.8	87.2	87.2	87.4	87.6
≥ 600	62.2	83.2	85.2	87.4	88.2	88.2	88.2	88.3	88.3	88.3	88.4	88.4	88.9	88.9	89.0	89.2
≥ 500	62.3	84.Q	86.3	89.0	90.2	90.3	90.3	90.4	90.4	90.4	90.5	90.5	91.3	91.3	91.4	91.6
≥ 400	62.3	84.2	86.4	89.5	91.1	91.3	91.5	92.0	92.1	92.1	92.2	92.2	92.9	92.9	93.0	93.3
≥ 300	62.4	84.5	86.8	90.0	91.8	92.1	93.0	93.9	94.0	94.2	94.7	94.7	95.5	95.5	95.7	96.0
≥ 200	62.4	84.5	86.8	90.q	91.8	92.1	93.0	94.1	94.3	95.0	96.1	96.1	97.3	97.4	98.2	98.8
≥ 100	62.4	84.5	86.8	90.0	91.8	92.1	93.1	94.3	94.6	95.3	96.5	96.6	98.0	98.2	99.3	99.9
≥ 0	62.4	84.5	85.8	90.d	91.8	92.1	93.1	94.3	94.6	95.3	96.5	96.6	98.0	98.2	99.3	100.0

TOTAL NUMBER OF OBSERVATIONS ___

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300**-**0500 HOURS (L.S.T.)

CELLING		_					viS	BILITY ST	ATUTE MIL	ES	_				_	
(FEET)	≥ :0	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ %:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	37.5 39.2	43.3	41.5	41.7	42.D	42.0 44.4	42.1 44.5	42.1 44.5	42.1 44.5	42.1 44.5	42.2 44.6	42.4	42.5 44.9	42.5	42.5	42.7 45.1
≥ 18000 ≥ 16000	39.3 39.6			44.1 44.5	44.5	44.5	44.6 45.0	44.6 45.0	44.6 45.0	44.6 45.0	44.7 45.1	44.9 45.2	45.0 45.3	45.0 45.3		
≥ 14000 ≥ 12006	40.4 40.4	44.5		45.2 45.2	45.6 45.6	45.6 45.6	45.7 45.7	45.7 45.7	45.7 45.7		45.8 45.8	45.9 45.9	46.0 46.0	46.0 46.0	46.0 46.0	46.3
≥ 10000 ≥ 9000	40.7 40.7	44.9	45.4 45.4	45.6 45.6	45.9 45.9	45.9	46.0	46.0 46.0		46.B	46.2 46.2	46.3	46.4	46.4	46.4	46.6
≥ 8000 ≥ 7000	42.1 42.4	46.3 46.5	47.1	47.0 47.2	47.3 47.6	47.6	47.5 47.7	47.5 47.7	47.7	47.7	47.6 47.8	47.7	47.8			
≥ 6000 ≥ 5000	42.7	47.2		47.9	48.3	49.8	48.4 49.9	48.4	49.9	49.9	48.5 50.1	48.6 50.2	48.8 50.3	48.8 50.3	48.8 50.3	
≥ 4500 ≥ 4000	44.5	50.4 51.0		51 • 1 51 • 8	51.6 52.3	52.3	51.7 52.4	51.7 52.4	52.4	52.4	51.8 52.5	52.0 52.7	52.8	52.1 52.8		53.0
≥ 3500 ≥ 3000	44.9 45.8	51.5 53.0	53.8	52.3 54.0	52.8 54.6	54.6	52.9 54.7	52.9 54.7			53.0 54.8	53.1 54.9	53.3 55.0	53.3 55.0		55.3
≥ 2500 ≥ 2000	47.3 48.8	55.1 57.8		56.2 59.1	56.9 59.8		57.0 59.9	57.0 59.9	59.9	59.9	57.2 60.0	57.3 60.1	60.2	57.4 60.2	57.4 60.2	57.6 60.5
≥ 1800	46.8	58.0 60.9	62.0				60.2 64.0				60.4	64.3	64.4	64.4	64.4	64.6
≥ 1200	50.3 51.5		67.6			70.2	70.3			66.9 70.4	70.5	70.7				67.5 71.0
≥ 900 ≥ 800	52.2 53.3	71.7	73.6		77.2	77.2				77.6	73.0	77.9		73.3		
≥ 700 ≥ 600	53.7 53.8	74.0	77.9	80.2	82.2	82.2	82.6		82.7	83.0	80.2	83.2	80.6	80.6	83.4	80.8
≥ 500 ≥ 400	53.8 54.0	76.6	79.9	83.3	84.5	86.3		87.7	87.8	88.8	85.7 89.0		86.0 89.5 93.1	86.0		89.7
≥ 300	54.0	77.2 77.2	80.2	84.3		87.5		91.5	92.1	94.4	92.4 95.3	95.4	96.6	93.3 96.7 97.8	95.4	
≥ 100 ≥ 0	54.0 54.0	77.2 77.2		84.3	87.3		7.7	91.6			95.7 95.7	_				99.6

TOTAL NUMBER OF OBSERVATIONS ___

845

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-0800

CEILING							vis	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21/.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ ¼	≥0
40 CEIUNG ≥ 20000	35.7 37.7	38.4 40.7	39.1 41.4	39.4 41.7	39.7 42.2	39.8 42.3		40.1 42.6	40.1 42.6	40.2 42.7	40.2 42.7	40.2	40.2 42.7	40.2	40.2 42.7	40.5 43.0
≥ 18000 ≥ 16000	37.8 37.8	40.9 40.9	41.6 41.6	42.0 42.0	42.4	42.6 42.6		42.8 42.8	42.8 42.8	42.9 42.9	42.9 42.9	42.9	42.9 42.9	42.9 42.9	42.9 42.9	43.3
≥ 14000 ≥ 12000	38.7 38.8	41.7 41.8	42.4 42.6		43.3	43.4	43.6 43.7	43.6	43.6 43.7	43.7 43.9	43.7 43.9	43.7	43.7	43.7	43.7 43.9	44.1
≥ 10000 ≥ 900C	39.2 39.4	42.6 42.7	43.3		44.1	44.2	44.4	44.4	44.4	44.6	44.6	44.6	44.6	44.6	44.6	
≥ 8000 ≥ 7000	39.8 40.7	43.1	43.9	44.2 45.2	44.7	44.8	45.0 46.0		45.0 46.0	45.2	45.2	45.2 46.1	45.2	45.2 46.1	45.2 46.1	45.5
≥ 6000 ≥ 5000	41.6	45.5	46.2		47.0 48.7	47.2	49.1	47.4	47.4 49.1	47.5	47.5	47.5	47.5	47.5	47.5	47.9
≥ 4500 ≥ 4000 ≥ 3500	42.9 43.1	47.8	48.5 48.8		49.3 50.2	50.4	50.6	50.6		50.7	49.8 50.7	49.8 50.7	49.8 50.7	49.8 50.7	49.8 50.7	
≥ 3000	43.5 44.4 46.2	48.5 49.6 52.5	49.2 50.4 53.3		50.6 51.9	50.7 52.0 55.1		52.2		52.4	51.1 52.4 55.4	51.1 52.4 55.4	51.1 52.4 55.4	51.1 52.4 55.4	51.1 52.4 55.4	
≥ 2000 ≥ 1800	47.4	54.3 55.2	55.2 56.1	55.9		57.2 58.3	57.4		55.3 57.4 58.5	57.6	57.6 58.6	57.6 58.6	57.6 58.6	7 - 1	57.6 58.6	
≥ 1500	47.8	58.2		60.0	61.2	61.3			61.6	61.7	61.7	61.7	61.7	61.7	61.7	
≥ i000 ≥ 900	49.3	62.9		65.0	68.8	67.1	67.4			67.5	67.5	70.1			67.5 70.1	
≥ 800 ≥ 700	50.9 51.1	67.3	69.0 70.4	70.2 72.1	72.0	72.8		73.2	73.4 75.9		73.6 76.1	73.6	73.6	73.6 76.1	73.6 76.1	74.0
≥ 500	51.2 51.3	69.5 70.1	72.8	73.9 75.1	76.1	77.4	78.5 80.5	78.8 81.3	79.1 81.8	79.2 82.0	79.6 82.5	79.6 82.5	79.6	79.6 82.6	79.6 82.6	83.1
≥ 300	51.3	70.4	74.2	1	79.9	81.8	83.5	87.5	85.5	86.1	90.4		90.7	90.8	91.1	92.2
> 100	51.3	70.6	74.2	77.0	80.5	81.9	85.5	88.3	89.D	90.7	92.7	93.4	94.7	95.2	96.2	99.1
≥ 400 ≥ 300 ≥ 200	51.3 51.3 51.3	70.4 70.6 70.6	74.1 74.2 74.2 74.2	76.7 77.0 77.0 77.0	79.9 80.4 80.5	81.8 81.9 81.9	83.5 84.9 85.5	85.0 87.5 88.3 88.3	85.5 87.9 88.9 89.D	86 90 90	8.9 0.4	8.9 90.4 0.4 92.7 0.7 93.3	6.1 87.2 87.2 8.9 90.4 90.4 0.4 92.7 92.8 0.7 93.3 93.4	5.1 87.2 87.2 87.4 8.9 90.4 90.4 90.7 0.4 92.7 92.8 93.1 0.7 93.3 93.4 94.7	6.1 87.2 87.2 87.4 87.4 8.9 90.4 90.4 90.7 90.8 0.4 92.7 92.8 93.1 93.3 0.7 93.3 93.4 94.7 95.2	6.1 87.2 87.2 87.4 87.4 87.4 8.9 90.4 90.4 90.7 90.8 91.1 0.4 92.7 92.8 93.1 93.3 93.7 0.7 93.3 93.4 94.7 95.2 96.2

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC PORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLES

GLOBAL CLIMATOLOGY BRANCH SPEFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3900-1100

CEILING							vis	IBILITY ST.	ATUTE MIL	ES-						
(FEET)	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥21/:	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥%	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	37.7 41.0	40.3	40.5	40.8		40.9	40.9	40.9	40.9	40.9	40.9 44.9	40.9	41.1	41.1 45.2	41.3	41.4
≥ 18000	41.7	44.8	45.2 45.2	45.5 45.5	45.6	45.6	45.6	45.6	45.6 45.6	45.6 45.6	45.6 45.6	45.6	45.9	45.9	46.D	46.1
≥ 14000 ≥ :2000	42.3	45.4	45.7	46.1	46.2	46.2	46.2	46.2	46.2	46.2	46.2 46.2	46.2	46.5	46.5	46.6	46.7
≥ 10000 ≥ 9000	43.0 43.1	46.2	46.6	46.9	47.0 47.3		47.D	47.0		47.0 47.3	47.0	47.0	47.3	47.3	47.4	47.5
≥ 8000 ≥ 7000	43.7	47.0 47.9	47.4	47.8	47.9	47.9	47.9 48.7		47.9	47.9	47.9 48.7	47.9	48.1	48.1	48.2	48.3
≥ 6000 ≥ 5000	45.2	48.9		1 1 7 7	48.7 49.8 51.4	49.8	49.8		49.8			49.8	50.0	50.0	50.1	50.2
≥ 4500 ≥ 4000	46.7	51.1	51.5	51.1 52.0	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.5	52.7	52.7	52.8	53.0
≥ 3500 ≥ 3000	47.8	51.5 52.4	52.0 52.8	52.5	53.0 53.8	53.0	53.0 53.8	53.8	53.8	1 7 7 7	2 1 7 2	53.8 53.8	53.2 54.0	54.0	54.1	54.3
≥ 2500 ≥ 2000	51.9	54.7		55.9 59.2		56.4	56.4	59.8	56.4		56.5	59.9	56.7 60.2	56.7 60.2	60.3	57.0
≥ 1800 ≥ 1500	53.9	61.8	62.3	63.0		62.3	63.7	63.8	63.8	63.9	63.9	63.9	64.2	64.2	64.3	64.4
≥ 1200 ≥ 1000	55.8 57.0	65.5	70.2	71.3		72.3	72.5	72.6	72.6	72.7	72.8	72.8	73.0			73.3
≥ 900 ≥ 800	58.0 58.6 58.7	72.3 73.8 75.1	73.2 74.9 76.8	74.5 77.0 78.8	78.3	75.9 78.6 81.1	76.2 79.0 81.9	76.4 79.3 82.4	76.4 79.3 82.5	76.5 79.4 82.6	76.6 79.6 82.7	76.6 79.6 82.7	76.8 79.8 83.0	76.8 79.8 83.0	77.0 79.9 83.1	77.1 80.0 83.2
≥ 700 ≥ 600	59.0 59.0	76.1 77.0	78.3	80.4	82.6	83.0	84.2	85.0	85.1 87.7	85.2	85.3 88.1	85.3	85.6 88.3	85.6 88.3	85.7 88.4	85.8
≥ 500 ≥ 400	59.0 59.0	77.2		82.5 83.0		86.5	88.5	89.8	90.1	90.2	90.7	90.7	90.9	90.9	91.0	91.1
≥ 300 ≥ 200	59.0	77.4		83.2	87.1	87.7 87.7	90.3	92.3	92.7 93.0	94.8	96.1	96.1	96.5	96.6	96.7	96.8 98.5
≥ 100 ≥ 0	59.0 59.0	77.4	80.0	83.2	87.1	87.7	90.3 90.3	92.7	93.0 93.0	95.4	96.9	97.2 97.2	98.1 98.1	98.8	99.5	99.9

846 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS ENTINES OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

70,73-81

FE8

RANDOLPH AFB TX

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LE.T.)

CERUNG							VIS	BILITY STA	ATUTE MIL	ES-						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥11/4	≥1	≥ ¾	≥%	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	47.2 53.2	48.6 54.7	48.6 54.7		48.6 54.7	48.6 54.7		48.6 54.7	48.6 54.7		48.6 54.7	48.6 54.7	48.6 54.7	48.6 54.7	48.6 54.7	48.6 54.7
≥ 18000 ≥ 16000	53.3 53.7	54.8 55.2	54.8 55.2		54.8 55.2	54.8 55.2	54 • 8 55 • 2	54.8 55.2	54.8 55.2		54 • 8 55 • 2	54 • 8 55 • 2	54.8 55.2	54.8 55.2	54 • 8 55 • 2	54 • 8 55 • 2
≥ 14000 ≥ 12000	54.4 5 5.3	56.3 57.2		3000	56.3 57.2			56.3 57.2			56.3 57.2	56.3 57.2	56.3 57.2		56.3 57.2	56.3 57.2
≥ 10000 ≥ 9000	56.5 56.6	58.4 58.5	58.4 58.5		58.4 58.5	58•4 58•5	58.4 58.5				58.4 58.5	58.4 58.5	58.4 58.5	58.4 58.5	58.4 58.5	
≥ 8000 ≥ 7000	57.4 57.8	59.3 60.0	59.3 60.0	3,44	59.3 60.0	59.3 60.0			59.3 60.0		59.3 60.0	59.3 60.0		59.3 60.0	59.3 60.0	
≥ 6000 ≥ 5000	58.9 59.7	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	61.1 62.1	62.1
≥ 4500 ≥ 4000	60.3 61.8	62.6 64.3	62.6	62.6 64.3	62.6	62.6 64.3	62.6	62.6 64.3	62.6 64.3	62.6 64.3	62.6 64.3	62.6 64.3	62.6 64.3	62.6 64.3	62.6	
≥ 3500 ≥ 3000	63.4 65.1	66.1 68.2	66.1 68.2	66.1 68.2	66.1 68.3	66.1 68.3	66.1 68.3	66.1	66.1 68.3	68.3	66.1 68.3	66.1 68.3	66.1	66.1 68.3	66.1 68.3	
≥ 2500 ≥ 2000	67.1 70.6	71.5 77.0	71.5	77.1	71.6 77.2	71.6 77.2		77.2	71.6	77.2	71.6	71.6	71.6	71.6	71.6 77.2	77.2
≥ 1800 ≥ 1500	71.3 72.3	77.9	78.0 81.1	81.3	78.1 81.4	78.1 81.4	81.4	78.1 81.4	78.1 81.4	78.1 81.4	78.1 81.4	78.1 81.4	78.1 81.4	78.1 81.4	78.1 81.4	78.1 81.4
≥ 1200 ≥ 1000	73.4	84.2	84.4	84.6 87.6	84.9	84.9	89.1	89.1	85.0 89.1	89.1	85.0 89.1	85.0 89.1	89.1	89.1	85.0	89.1
≥ 900 ≥ 800	74.5	87.8	89.5	90.2	90.9	91.1	92.0	92.0	90.3	92.0		90.3	92.0	92.0		92.0
≥ 700 ≥ 600	74.6	89.8	90.1	91.1	92.1	92.3	94.8	95.0		95.2	93.5 95.2	93.5	95.2	95.2	93.5	95.2
≥ 500 ≥ 400	74.6 74.6	90.4	91.1	92.9	94.5	94.9	95.9 96.6 96.8				96.7 97.8	96.7	96.7 97.8		96.7 97.8 99.3	
≥ 300 ≥ 200 > 100	74.6 74.6	90.4 90.4	91.3 91.3	92.9 92.9	94.6	94.9			98.1 98.2 98.2		99.2 99.4	99.2 99.4 99.6	99.4	99.5	99.6	
≥ 100 ≥ 0	74.6	90.4	91.3	92.9	94.6	94.9			98.2	98.8	99.5	99.6	99.6			

TOTAL NUMBER OF OBSERVATIONS ___

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

PANDOLPH AFB TX

70,73-81

FER

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1530-1700 Hours (L.S.T.)

CEILING							VIS	BILITY STA	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥ %	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	53.0 59.2	55.0 61.5	55.0 61.5	55.0 61.5	55.0 61.5	55.0 61.5		55.0 61.5	55.0 61.5	1 1 1 1	55.0 61.5	55.0 61.5	55.0 61.5		55.0 61.5	55.0 61.5
≥ 18000 ≥ 16000	59.5 59.8	61.7 62.1	61.7	61.7 62.1	61.7 62.1	61.7	61.7	1	61.7		61.7 62.1	61.7	61.7	61.7	61.7 62.1	61.7 62.1
≥ 14000 ≥ 12006	61.1 62.5	63.5 65.0	63.5 65.0	63.5 65.0	63.5 65.D	63.5 65.0	63.5 65.0		63.5 65.0	63.5 65.0	63.5 65.0	63.5 65.0	63.5 65.0	63.5 65.0	63.5 65.0	63.5 65.0
≥ 10000 ≥ 9000	63.2 63.4	65.7 65.8	65.7 65.8	65.7 65.8	65.7 65.8	65.7 65.8	65.7 65.8	65.7 65.8	65.7 65.8	65.7 65.8		65.7 65.8	65.7 65.8	65.7 65.8	65.7 65.8	65.7 65.8
≥ 8000 ≥ 7000	64 • 8 6 6 • 3	67.4 69.4	67.4	67.4	67.4 69.4	67.4 69.4	67.4	67.4	67.4 69.4		67.4	67.4	67.4	67.4	67.4	
≥ 6000 ≥ 5000	66.8 67.6	69.9 70.7		69.9 70.7	69.9 70.7	69.9 70.7	69.9 70.7	70.7	69.9 70.7	70.7	70.7	69.9 70.7		70.7		70.7
≥ 4500 ≥ 4000	69.0 70.9	72.1	72.1	72.1	72.1	72.1	72.1	72.1	72.1	74.1	72.1 74.1	72.1	72.1	72.1	72.1	72.1
≥ 3500 ≥ 3000	73.0 75.5	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	
≥ 2500 ≥ 2000	77.3 78.5	82.6	82.6	82.6	84.9	84.9	82.6	82.6	82.6	84.9	82.6	84.9	82.6	84.9	82.6	
≥ 1800 ≥ 1500	78.6	85.2	87.4	85.6		85.6	85.6 87.7 90.4	85.6 87.7 90.4	85.6 87.7 90.4	87.7	85.6 87.7 90.4	85.6 87.7 90.4	85.6 87.7 90.4	85.6 87.7 90.4	85.6 87.7	85.6 87.7 90.4
≥ 1200 ≥ 1000 ≥ 900	80.3 81.1	88.8 90.2	89.8 91.3	90.0 91.7 92.1	90.2 92.1	90.3 92.2 92.7	92.6	92.6 93.0	92.6 93.0		92.6	92.6	92.6	92.6 93.0	92.6	92.6
≥ 800	81.2	90.9	92.2	92.7	93.D	93.3	93.6 95.0	93.6	93.6	93.6	93.6 95.0	93.6 95.0	93.6	93.6	93.6	
≥ 500	e1.7	92.0	93.4	94.3	95.0	95.4	95.7		95.7	95.7	95.7	95.7	95.7	95.7	95.7	95.7
≥ 400	81.7	92.6	94.2	95.2	96.1	96.5	97.4	97.9	98.2	98.7	98.7	98.7	98.9		98.9	98.9
≥ 200	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2	99.6	99.6	99.9	99.9	99.9	
≥ 0	81.7	92.6	94.2	95.2	96.1	96.5	97.4	98.1	98.6	99.2		99.6	99.9	100.0	00.0	00.0

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLETE

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722° 36

RANDOLPH AFB TX

70,73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE

1800-2000

HOURS (L.S.T.) (FROM HOURLY OBSERVATIONS)

CEILING							VIS	BILITY ST	ATUTE MIL	ES				·		
(FEE*)	≥10	≥6	≥ 5	≥4	≥3	≥2%	≥ 2	≥≀%	≥11/4	≥1	≥ %	≥ %	≥ %:	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	5 5.4	7 1 1		57.9 65.5	7	- 1 1	57.9 65.5			57.9 65.5	57.9 65.5	57.9 65.5	57.9 65.5	57.9 65.5	57.9 65.5	
≥ 18000 ≥ 16000	62.5 63.0	65.6 66.1	65.6 66.1	65.6 66.1	65.6	65.6 66.1	65.6 66.1	65.6	65.6 66.1	65.6 66.1	65.6 66.1	65.6 66.1	65.6 66.1	65.6 66.1	65.6 66.1	65.7
≥ 14000 ≥ :2000	63.8 64.9	66.9 68.0	68.0	68.0	68.0	66.9 68.0	66.9 68.0			66.9 68.0	66.9 68.0	66.9 68.0				68.1
≥ 9000	66.2	69.4		69.4	69.4	69.4	69.4	69.4		69.3	69.4	69.4	69.4	69.4	69.4	69.5
≥ 8000 ≥ 7000 ≥ 6000	68.6	72.2			72.2	72.2	70.6 72.2 72.7		72.2	72.2	72.2	70.6	72.2	72.2	_	72.3
≥ 5000 ≥ 5000 ≥ 4500	68.9 70.0	1		74.0	74.0	74.0	74.0 74.5	74.0	74.0	74.0	74.0	72.7 74.0 74.5	74.0	74.0	72.7 74.0 74.5	74.1
≥ 4000 ≥ 3500	71.3 72.8	75.4	75.4	75.4	75.4	75,4	75.4	75.4	75.4	75.4	75.4	75.4	75.4 77.5		75.4	75.5
≥ 3000 ≥ 2500	74.5	79.7		79.7	79.7		79.7	79.7	79.7 83.1	79.7	79.7	79.7	79.7	79.7	79.7	79.8
≥ 2000	77.7	85.5	85.6	85.6		85.6 86.5	85.6	85.6	85.6 86.5	85.6	85.6	85.6	85.6	85.6	85.6	
≥ 1500	78.0 79.1	87.5	87.6	90.2			87.6 90.3			87.6 90.3	87.6 90.3	87.6 90.3	87.6 90.3	87.6 90.3	87.6 90.3	
≥ 1000 ≥ 900 ≥ 800	79.8 79.8	91.1	91.4	91.7	91.8 92.9	91.8	91.8	7 - 7	93.0	91.8		91.8 93.0	91.8 93.0	• -		93.1
≥ 700 ≥ 600	79.8	92.4	93.3	93.4	93.5	93.7	94.2	94.3	94.3	94.3	93.9	93.9	94.4	94.4	93.9	94.6
≥ 500 ≥ 400	79.8	92.7 92.8 92.9	93.6 93.7 94.3	94.2 94.3 95.0	94.7 95.0 95.7	94.9 95.4 96.1	95.9 95.9		95.2 96.1 97.0	95.2 96.3 97.8	96.7	96.7 98.1	95.4 96.7	95.4 96.7 98.1	95.4 96.7 98.1	95.5 96.8 98.2
≥ 300 ≥ 200	79.9 79.9		94.3	95.0 95.0	96.0	96.3	97.0 97.2	97.6	98.0	98.8	99.2	99.2	99.2	99.2	99.2	99.3
≥ 100 ≥ 0	79.9 79.9			95.0 95.0		96.3 96.3	97.2 97.2		98.2 98.2		99.5 99.5	99.5 99.5	99.6	99.6 99.6	99.6 99.6	100.0

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS RESTIONS OF THIS FORM ARE OSSOLETE

GLOBAL CLIMATOLOGY BRANCH SAFETAC ATF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

and the second second

RANDOLPH AFB TX

70,73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (L.S.T.)

CEILING							VIS	BILITY STA	NTUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥%	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	54.0 57.4	57.0 60.4	57.1 60.5	57.3 60.8	57.3 66.8	57.3 60.8		57.4 60.9	57.4 60.9		57.4 60.9	57.4 60.9	57.4 60.9	57.4 60.9	57.6 61.0	57.7 61.1
≥ 18000 ≥ 16000	57.4 58.3	60.4 61.0	63.5	60.8	7.7.7.1	60.8	60.9 61.5	60.9 61.5	61.5		60.9 61.5	60.9 61.5		60.9 61.5	61.6	1 7 7 4
≥ 14000 ≥ :2000	58.4 59.5	61.3 62.4	61.5 62.5	61.7 02.8	61.7	61.7			61.8	61.8 62.9	61.8 62.9	61.8		61.8		63.1
≥ 10000	60.6	63.5	63.6	63.8	63.8	63.8	63.9 64.5		64.5	63.9	63.9	63.9	63.9	63.9	64.1	
≥ 8000 ≥ 7000	61.5	66.1	65.0	65.2	65.2	65.2	66.5				65.4	66.5		65.4		65.6
≥ 6000 ≥ 5000	63.7 65.0	67.5	67.6	67.8	67.8	67.8	70.0	70.0		70.0	68.0 70.0		70.0	70.0		70.2
≥ 4500 ≥ 4000 ≥ 3500	65.1 65.6	70.4	70.1	70.9	70.3	70.3	70.4			71.0	70.4 71.0		71.0	70.4		70.7 71.3 72.2
≥ 3000	66.1 67.0	71.4 72.6 75.2	71.6 72.8 75.5	71.9 73.3 75.8	71.9 73.0 75.8	71.9 73.0 75.8	72.0 73.2 76.2	72.0 73.2 76.2	73.2	73.2	73.2	73.2	73.2	73.2		73.4
≥ 2000	69.5	77.7	77.4 78.0	77.7 78.4	77.7	77.7	78.1	78.1	78.1	78.1	78.1 79.0	78.1	78.1	78.1 79.0	78.3 79.1	78.4
≥ 1500	71.0 72.2	80.3		81.1	81.2	81.2	81.7	81.8	81.8	81.8	81.8	81.8	81.8	81.8	81.9	82.0
≥ 1000	73.5 74.1	86.3	87.8	87.4	87.5 88.5	87.5	87.9		88-1	88.1	88.1	88.1	88.1	88.1	88.2	88.3
≥ 800	74 • 1 74 • 3	87.9	88.5	89.2	90.8	90.8	89.8	90.0			90.1 91.5	90.1	90.1	90.1	90.2	90.3
≥ 600	74.5	89.5	90.6	91.8	92.1	92.1	92.8	92.9	92.9	92.9	93.0	93.0 95.0	93.0 95.0	93.0 95.0	93.1 95.2	93.3
≥ 400	74.5	90.1	91.7	93.4	94.4	94.6	96.0 96.7	96.2	96.2	96.5	96.7	96.7	96.7 98.0	96.7 98.0	96.8 98.1	96.9 98.2
≥ 200	74.5 74.5		92.1	93.7	95.0	95.3 95.3			97.9	98.1 98.1	98.7 98.7	98.7		98.9 99.1	99.5	99.2
≥ 0	74.5	90.1	92.1	93.7	95.0	95.3	97.0	97.8	97.9	98.1	98.7	98.7	98.9	99.1	99.5	00.0

846 TOTAL NUMBER OF OBSERVATIONS __

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

FEB

PERCENTAGE FREQUENCY OF OCCURRENCE

ALL

(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING					_	_	VIS	IBILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥ 21⁄.	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥%	≥ ५:	≥ 5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	45.6	48.3	: · · -1		48.8		48.9	48.9			49.0	49.0		49.1	49.1	49.3
	49.6	52.6	52.9		53.2	53.2	53.2			53.3	53.3	53.3		53.4		53.6
≥ 18000 ≥ 16000	49.8	52.8		53.2	53.4		53.5				53.5	53.5	53.6	53.6		
	50.1	53.1	53.4	53.6	53.7		53.8				53.8	53.9		53.9		
≥ 14000	50 • 9	53.9	54.2	54.4	54.5	54.5		54.6			54.6	54.7	54.7	54.7		54.9
≥ :2000	51.4	54.6	54.9	55.0	55.1	55.2	55.2	55.2	55.2	55.3	55.3	55.3	55.4	55.4	55.4	
≥ 10000	52.2	55.4	55.7	55.9	56.0	56.0	56.1	56.1	56.1	56.1	56.1	56.2	56.2	56.2	56.3	56.4
≥ 9000	52.3	55.6	55.9	56.0	56.2	56.2	56.2	56.3	56.3	56.3	56.3	56.3	56.4	56.4	56.4	56.6
≥ 8000	53.3	56.6	56.9	57.0	57.2	57.2	57.2	57.3	57.3	57.3	57.3	57.3	57.4	57.4	57.4	57.6
≥ 7000	54.1	57.6	57.9	58.0	58.2	58.2	58.3	58.3	58.3	58.3	58.3	58.3	58.4	58.4	58.5	58.6
≥ 6000	54.7	58.5	58.8	58.9	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2	59.3	59.3	59.3	59.5
≥ 5000	55.8	59.9	60.2	60.4	60.6	60.6	60.6	60.6	60.6	60.7	60.7	60.7	60.8	60.8	60.8	61.0
≥ 4500	56.4	60.8	61.2		61.6	61.6	61.7	61.7	61.7	61.7	61.7	61.7	61.8	61.8	61.9	62.0
≥ 4000	57.2	61.7	62.1	62.3	62.6	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.8	62.8	62.8	63.0
≥ 3500	58.1	62.9	63.3	63.5	63.8			63.9	63.9			63.9				
≥ 3000	59.5	64.9	65.3	65.5	65.8						66.0		1 7 7 7 7			66.2
≥ 2500	61.3	67.7	68.1	68.4	68.7		68.8	68.8		68.9	68.9	68.9			7.7.3	
≥ 2000	62.8	70.4	70.9		71.6		71.7	71.7	71.7	71.8	71.8	71.8	71.9	71.9	'	72.1
≥ 1800	63.2	71.2		72.1	72.5		72.6	72.6			72.7	72.7		72.8		
≥ 1500	64.1	73.7	74.3	74.8	75.3							75.6				
≥ 1200	65.1	76.5		77.9	78.5		78.7	78.7	78.7	78.8	78.8	78.9		79.0		
≥ 1200	66.1	78.9		80.6	81.3	78.6 81.5	81.8	81.8	81.8	81.9	81.9	81.9				82.2
> 000	66.5			82.3		83.3	83.6	83.7	83.7	83.7	83.8	83.8	83.9	83.9	83.9	84.1
≥ 900 ≥ 600		80.3	81.4		83.1							1				86.3
	66.8	81.8	83.1	84.2	85.1	85.4	85.7	85.8		85.9	86.0	86.0		86.1		
≥ 700 ≥ 600	67.0	82.6	84.3	85.7	86.8		87.5	87.7	87.7	87.8	87.9	87.9	88.0	88.0		
	67.1	83.6	85.3	87.0	88.3	-	89.3	89.5	89.6	89.7	89.8	89.8		89.9		
≥ 500	67.1	84.2	86.1	88.0	89.7		91.0	91.4	91.5	91.7	91.9	91.9	92.1	92.1	92.1	92.3
≥ 400	67.1	84.4	86.5	88.6	90.6			93.0			94.2	94.2		94.4	94.5	94.6
≥ 300	67.2	84.5	86.6	88.8	90.9		93.0	94.3	94.6	95.5	96.2	96.2	1	96.5		96.9
≥ 200	67.2	84.5	86.6	88.9	91.0	91.5	93.3	94.7	95.2	96.3	97.3		97.8	97.9	98.2	98.7
≥ 100	67.2	84.5	86.6	88.9	91.1	91.5	93.3	94.8	95.2	96.4	97.5	97.6	98.3	98.6	99.0	99.8
≥ 0	67.2	84.5	86.6	88.9	91.1	91.5	93.3	94.8	95.2	96.4	97.5	97.6	98.3	98.6	99.0	100.0

6767 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS ENTINES OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

ATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J000-0200

CEILING							VIS	IBILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥11/4	≥1	≥ ¾	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	39.6 42.9	43.3	43.5	44.0	44.1	44.1	44.3 48.0	44.3 48.0	44.3	44.3 48.0	44.3	44.3 48.0	44.3 48.0	44.3 48.0	44.3 48.0	44.3 48.0
≥ 18000 ≥ 16000	43.1 43.7	47.1	47.4 48.0	47.8 48.4	48.D	48.0	48.2 48.7	48.2 48.7	48.2	48.2 48.7	48.2 48.7	48.2	48.2 48.7	48.2	48.2 48.7	48.2
≥ 14000 ≥ 12000	44.7	48.7	49.0 50.1	49.5 50.5	49.6 50.6	49.6 50.6	49.8 50.9	49.8 50.9	49.8	49.8 50.9	49.8 50.9	49.8 50.9	49.8 50.9	49.8 50.9	49.8 50.9	49.8
≥ 10000 ≥ 9000	45.7	50.3 50.3	50.6 50.6	51.1 51.1	51.2 51.2	51.2 51.2	51.4 51.4	51.4 51.4	51.4 51.4	51.4 51.4	51.4 51.4	51.4 51.4	51.4 51.4	51.4 51.4	51.4 51.4	51.4 51.4
≥ 8000 ≥ 7000	46.2	51.0 51.4	51.3 51.7	51.7 52.2	51.8 52.3	51.8 52.3	52.0 52.5	52.0 52.5	52.0 52.5	52.0 52.5	52.0 52.5	52.0 52.5	52.0 52.5	52.0 52.5	52.0 52.5	52.0 52.5
≥ 6000 ≥ 5000	46.9	51.7 52.9	52.0 53.2	52.5 53.7	52.6 53.8	52.6 53.8	52.8 54.0	52.8 54.0	52.8 54.0	52.8 54.0	52.8 54.0	52.8 54.0	52.8 54.0	52.8 54.0	52.8 54.0	52.8 54.0
≥ 4500 ≥ 4000	49.1	54.2 54.3	54.5 54.6	54.9 55.1	55.1 55.2	55.1 55.2	55.3 55.4	55.3 55.4	55.3 55.4	55.3 55.4	55.3 55.4	55.3 55.4	55.3 55.4	55.3 55.4	55.3 55.4	55.3 55.4
≥ 3500 ≥ 3000	50.3 51.4	55.6 57.1	55.9 57.4	56.3 58.0	56.5 58.1	56.5 58.1	56.7 58.3	56.7 58.3	56.7 58.3	56.7 58.3	56.7 58.3	56.7 58.3	56.7 58.3	56.7 58.3	56.7 58.3	56.7 58.3
≥ 2500 ≥ 2000	52 • 4 53 • 3	59.5 61.5	59.8 61.8	60.3 62.4	60.4 62.5	60.4	60.6 62.7	60.6 62.7	60.6	60.6 62.7	60.6 62.7	60.6 62.7	60.6 62.8	60.6 62.8	60.6 62.8	60.6 62.8
≥ 1800 ≥ 1500	54.3 5 5.6	63.3 67.6	63.7 68.3	64.2 68.9	64.3 69.0	64.3 69.0	64.5 69.2	64.5	64.5 69.2	64.5	64.5 69.4	64.5	64.6 69.5	64.6 69.5	64.6 69.5	64.6 69.5
≥ 1200 ≥ 1000	57.3 58.4	73.2 76.6	74.0 77.7	75.2 79.2	75.4 79.7	75.4 79.7	75.6 79.9	75.6 79.9	75.6 79.9	75.6 79.9	75.7 80.0	75.7 80.0	75.8 80.1	75.8 80.1	75.8 80.1	75.8 80.1
≥ 900 ≥ 800	58.6 59.5	79.5 82.2	81.0 84.2	82.6 85.9	83.0 86.6	83.0 86.6	83.3 86.9	83.3 86.9	86.9	83.3 86.9	83.4 87.0	83.4	83.5	83.5 87.1	83.5 67.1	83.5 87.1
≥ 700 ≥ 600	59.9 60.1	83.8 85.2	85.9 87.4	87.7 89.7	88.5 90.5	88.5 90.5	89.0 91.1	89.0 91.1	89.0 91.1	91.1	89.1 91.2	89.1 91.2	89.2 91.3	91.3	89.2 91.3	89.2 91.3
≥ 500 ≥ 400	60 • 2 60 • 2	85.8 86.0	88.3	90.9 91.2	92.3 92.9	92.4 93.1	93.0 93.9	93.0 94.0	93.D 94.D		93.1 94.1	93.1 94.1	93.2 94.2	93.2 94.2	93.2 94.2	93.2
≥ 300 ≥ 200	60.2	86.1	88.6	91.4	93.2 93.2			94.8	95.4	95.8	96.1 97.3	96.1 97.3	96.2	96.2	96.2	96.3
≥ 100 ≥ 0	60.2 60.2	86.1	88.6	91.4	93.2	93.5 93.5		95.7 95.7	96.5 96.5	97.0 97.0	97.6 97.6	97.6 97.6	98.1 98.1	98.3 98.3	98.8 98.8	99.4

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

6300-0500

CEILING							vis	BILITY STA	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ ⊬:	≥ 5/16	≥ 1⁄4	≥o
NO CEILING ≥ 20000	32.3 35.1	36.1 39.5	36.2 39.6	36.7 40.0	37.3 40.6	37.3 40.6	37.7 41.1	37.7 41.1	37.7 41.1	37.7 41.1	37.7 41.1	37.7 41.1	37.7 41.1	37.8 41.2	37.8 41.2	38.1 41.4
≥ 18000 ≥ 16000	35.4 35.7		39.9 40.2	40.3 40.6		41.0	41.7	41.4 41.7	41.4	41.4	41.4 41.7	41.4	41.4 41.7	41.5 41.8	41.5 41.8	42.0
≥ 14000 ≥ 12000	36.7 37.5			41.7 42.7	-	42.4	42.8 43.8	42.8 43.8	42.8 43.8		42.8 43.8	42.8 43.8		42.9 43.9		43.1
≥ 10000	38.1 38.3	43.0	43.1	43.3	44.2	44.0	44.6		44.4		44.4	44.4	44.4	44.5	44.5	
≥ 8000 ≥ 7000	39.0 39.8	44.5	43.9		45.7	44.9	45.4	45.4 46.1	45.4 46.1	46.1	45.4	45.4 46.1	45.4 46.1	45.5	45.5	45.7
≥ 6000 ≥ 5000 ≥ 4500	40.2 40.8	44.9 45.7 46.2	45.9 45.9	45.5 46.3	47.0	47.0 47.6	46.6 47.4 48.1	46.6 47.4 48.1	46.6 47.4 48.1	46.6 47.4 48.1	46.6 47.4 48.1	46.6 47.4 48.1	46.6 47.4 48.1	46.7 47.5 48.2	46.7 47.5 48.2	46.9 47.7 48.4
≥ 4000	41.4	46.3	46.6		47.6	47.7	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.3		
≥ 3000	43.1	48.3	48.5	48.9 51.8	49.6	49.7	50.1 53.0	50.1 53.0	50.1	50.1	50.1 53.0	50.1 53.0	50.1	50.2	50.2	50.4 53.3
≥ 2000	44.9	52.3 53.5	52.6	53.0 54.3		53.9	54.3		54.3	54.3	54.3 55.6	54.3	54.3	54.4	54.4	
≥ 1500	46.9	58.7 63.7	59.1 64.1	59.8 65.1	60.4 65.7	60.6 65.9	61.1	61.1	61.1	61.1	61.1 66.3	61.1	61.1	61.2	61.2	
≥ ,000	50.3 51.2	67.5 71.5	68.3 72.3	69.4 73.5	70.0 74.2	78.2	70.6	70.6 74.8	70.6 74.8	70.6 74.8	70.6 74.8	70.6	70.6 74.8	70.8	70.8	75.2
≥ 800 ≥ 700 ≥ 600	51.9	74.6	75.9	77.3		78.3	78.7		78.7 81.0	78.7 81.0	78.7 81.0	78.7 81.0	78.7	78.8	78.8	79.0 81.3
≥ 500 ≥ 400	51.9 51.9 52.0	77.6 78.3 78.7	80.1 81.4 82.4	92.4 84.3	83.4 86.1 88.6	83.8 86.5	84.2 87.1 90.3	84.2 87.2 90.5	84.2 87.3 90.6	84.2 87.4 90.8	84.2 87.5 90.9	84.2 87.5 90.9	84.2 87.5 90.9	84.3 87.6 91.3	84.3 87.6 91.0	84.5 87.8 91.2
≥ 300 ≥ 200	52.0 52.0	78.8	82.7	86.5		90.3	91.4	92.5	92.6	92.9	93.2	93.2	93.3	93.4	93.7	93.9
≥ 100 ≥ 0	52.0 52.0		82.7	86 • 5 86 • 5	89.5	90.6	92.0		93.5	94.7	95.7	95.8 95.8	96.9	97.1 97.1	98.3	98.9

TOTAL NUMBER OF OBSERVATIONS ____

930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC ATT REATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

(FROM HOURLY OBSERVATIONS)

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE

MONTH 3600-0800 HOURS (L.S.T.)

CEILING					_		٧١S	iBiLiTY ST	ATUTE MIL	ES	-		*			
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	29.7 33.1	33.3 38.2		34 • 3 39 • 2	34.5 39.6		34.9 40.0	35.2 40.2	35.2 40.2	35.4 40.4	35.6 40.6	35.6 40.6	35.6 40.6	35.6 40.6	35.6 40.6	35.8 40.9
≥ 18000 ≥ 16000	33.3 33.9		38.8 39.2	39.5 39.9	39.8 40.2			40.4 40.9	40.4	40.6	40.9 41.3	40.9 41.3	40.9 41.3	40.9 41.3	40.9 41.3	41.1 41.5
≥ 14000 ≥ 12000	34.3 34.7	39.7 40.1		40.8 41.2	41.1 41.5	41.7	41.5 41.9	41.7 42.2	41.7 42.2	41.9 42.4	42.6	42.2 42.6	42.2 42.6	42.2 42.6	42.2 42.6	42.4 42.8
≥ 10000 ≥ 9000	35.9 36.0	41.7 42.2	42.2 42.6	42.8 43.2	43.1 43.5	43.3 43.8	43.5 44.1	43.8	43.8 44.3	44.0	44.2	44.2	44.2	44.7	44.2	44.4
≥ 8000 ≥ 7000	36.9 37.3	43.0 43.4	43.4	44.1 44.5	44.5	44.7 45.2	45.1 45.5	45.3 45.7	45.7	45.5 45.9	45.7 46.1	45.7 46.1	45.7 46.1	45.7	45.7 46.1	45.9
≥ 6000 ≥ 5000	38 • 2 38 • 2	44.4	44.8	45.5 45.5	45.9	46.1	46.5 46.5		46.8			47.1 47.2	47.1 47.2			47.4
≥ 4500 ≥ 4000	38.7 38.7	44.9	45.4	46.0	46.5	46.8	47.1	47.4	47.4		47.8 47.8	47.8 47.8	47.8 47.8			48.1
≥ 3500 ≥ 3000	38.9 40.2		45.8 48.0	46.5	46.9			47.8 50.2	50.2		48.3 50.6	48.3 50.6	48.3 50.6			48.5 50.9
≥ 2500 ≥ 2000	41.8		54.3	55.1	52.7 55.7	56.1	53.7 56.8	57.1	57.1	57.3	57.6	54.5 57.6	* * * *	57.6	57.6	54.7
≥ 1900 ≥ 1500	43.3		55.6	56.3 59.6	57.D 60.2	60.6		58.4		7	58.9		58.9 62.2		62.2	59.1
≥ 1200 ≥ 1000 ≥ 900	45.8 46.7 47.1	60.9 63.2	62.2 64.9 67.2	63.4 66.6	64.2 67.5 70.4		58.7	65.8 69.2 72.4	69.2	66.0 69.5 72.7	69.8	66.3 69.8 73.0	66.3 69.8	66.3 69.8 73.0	66.3 69.8	70.0 73.2
≥ 800 ≥ 700	47.3	67.3	69.7	72.7	74.0	74.4	75.4	76.0	76.0	:	76.9	76.9 78.6	76.9 78.6	76.9 78.6	76.9 78.6	77.1
≥ 600	47.4	68.6	71.5	75.1	76.8		78.5	79.4	79.6	80.2	80.5	80.5	80.5	80.5	80.5	80.8
≥ 400	47.4	69.1	72.6	77.4	82.0 81.2	81.0	82.8	84.0	84.2	85.7 89.6	86.3	86.5	86.8	86.8	86.9	87.3
2 200	47.4	69.1	72.8	77.8	81.3	82.3	84.7	86.7	87.1	90.3	92.6	92.8	94.7	94.9	95.8	97.2
2 0	47.4	69.1	72.8		81.3		84.7	86.8	7 1 7 7	90.4		93.1	95.3	95.6		100.0

TOTAL NUMBER OF OBSERVATIONS _____ 930

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLERAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

772-36

RANDOLPH AFB TX

70,73-81

MAR

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

⊍9<u>30-110</u>€ HOURS (L.S.T.)

CEILING							vis	B:L.TY ST	ATUTE MIL	ES	_					
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2%	≥ 2	≥ ، %	≥11/4	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	36 • 9 42 • 6	37.8 44.5		38.2 44.8	38.4 45.1	38.5 45.2	38.5 45.2	38.5 45.2			38.5 45.2	38.5 45.2	38.5 45.2	38.5 45.2	38.5 45.2	38.5
≥ 18000 ≥ 16000	43.0 43.5	44.9 45.6		45.3 45.9		45.6	45.6 46.2	45.6 46.2	45.6 46.2		45.6 46.2	45.6 46.2		45.6 46.2	45.6 46.2	45.6 46.2
≥ 14000 ≥ 12000	43.9 45.2	45.9 47.3	46.1 47.5	46.2 47.6	46.5 47.8	46.6 48.0	46.6 48.0	46.6 48.0	46.6 48.0	46.6 48.0	46.6 48.0	46.6 48.0	46.6 48.0	46.6 48.0	46.6 48.0	46.6 48.0
≥ 10000 ≥ 9000	46.6	48.9 49.4		49.2 49.8		49.6 50.2	49.6 50.2	49.6 50.2		49.6 50.2	- 1	49.6 50.2		49.6 50.2		
≥ 8060 ≥ 7000	47.3 47.8	50.2 50.9		50.6 51.3		: - · -	51.1 51.7	51.1 51.7	51.1 51.7	51.1 51.7	51.1 51.7	51.1 51.7	51.1 51.7	51.1 51.7	51.1 51.7	51.1 51.7
≥ 6000 ≥ 5000	48.0 48.7	51.0 51.9		51.6 52.8		53.2	52 • D 53 • 2	52.0 53.2	52.0 53.2		52.0 53.2	52.0 53.2			1	
≥ 4500 ≥ 4000	49.4	52.6 53.0	53.5	53.4 53.9	53.7 54.1	54.3	53.9 54.3	53.9 54.3	54.3	54.3	53.9 54.3	53.9 54.3	54.3	53.9 54.3	54.3	54.3
≥ 3500 ≥ 3000	50.5 51.2	54•2 55•8	56.5	55.3 56.9	55.5 57.2	57.4	55.7 57.4	55.7 57.4	57.4	55.7 57.4	55.7	55.7 57.4	55.7 57.4	57.4		57.4
≥ 2500 ≥ 2000	53.2	59.5 63.0	63.8	64.6	61.4	61.6	65.3	61.8	65.4	61.8	61.8	61.8	61.8	61.8	61.8	61.8
≥ 1800 ≥ 1500	54.9	67.7		65.4	70.5	70.8		71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 1000 ≥ 1000	57.1 57.4	71.6 73.8	73.1 75.6 77.1	74.1 76.9 78.6	75.3 78.6		75.8 79.2 81.1	75.9 79.4 81.3	75.9 79.4 81.3	75.9 79.4	75.9 79.4 81.3	75.9 79.4 81.3	79.4	75.9 79.4 81.3	75.9 79.4 81.3	75.9 79.4 81.3
≥ 800	57.5 57.5	75.7	78.9	80.6	82.7	83.0	83.4	83.7	83.7	83.7	83.8	83.8	83.8	83.8		
≥ 700 ≥ 600 ≥ 500	57.7	76.9		84.2	87.2			88.9			89.5	89.5	7.7	89.5		
≥ 400	57.7	77.1	81.6	85.4	88.7	89.4	90.6	92.2	92.4		93.5		93.9	93.9	94.2	94.2
≥ 100	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.2	93.5	95.1	96.7	97.1	97.6	98.0		98.9
≥ 0	57.7	77.1	81.6	85.4	88.8	89.5	91.1	93.2			96.9	97.3		98.2		100.0

TOTAL NUMBER OF OBSERVATIONS _____

930

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOPAL CLIMATOLOGY BRANCH . CAFETAC AT REATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536 STATION

PANDOLPH AFB TX

70,73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.S.T.)

CEILING							VIS	BILITY STA	ATUTE MIL	E S						
(FEET)	≥ :0	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ ٧;	≥ 5/16	≥ '4	≥¢
NO CEIUNG ≥ 20000	44.3 54.7	45.9 56.9	45.9 56.9	45.9 56.9	46.1 57.1	46.2 57.2		46.2 57.2	46.2 57.2	46.2 57.2	1 1	46.2 57.2	46.2 57.2		46.2 57.2	46 • 2 57 • 2
≥ 18000 ≥ 16000	55.4	57.5	57.5	57.5	57.7	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.8	57.9	57.8
≥ 14000 ≥ 12000	56 • 1	58.5 58.6	58.6	58.5 58.6	58.7 58.8	58.8 58.9	58.9	58.9	58.8 58.9	58.9	58.8 58.9	58.8 58.9	58.8 58.9	58.8 58.9	58.9 58.9	58.8 58.9
≥ 10000	57.3 58.4	61.3	61.3	60.0	61.5	61.6		60.3	61.6	61.6	61.6	61.6	61.6	61.6	61.6	61.6
≥ 9000 ≥ 8000	58.6 60.1	61.6	61.6	61.6	61.8	61.9	61.9	61.9	61.9 63.4	61.9	61.9	61.9	61.9	61.9	61.9	61.9
≥ 7000 ≥ 6000	60 • 4 60 • 8	63.5	63.5	63.5	63.8	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9	63.9
≥ 5000	61.8	65.3	65.3	65.3	65.5	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 4500 ≥ 4000	62.5 62.9	65.9	65.9 67.1	65.9 67.1	67.3		67.5		66.2 67.5			66.2 67.5	66.2		66.2	66.2
≥ 3500 ≥ 3000	64.4 67.0	68.7 72.2	68.7 72.2	68.7 72.2	68.9 72.4	69.0 72.5	69.1 72.6	69.1 72.6	69.1 72.6	69.1 72.6	69.1 72.6	69.1 72.6	69.1 72.6	69.1 72.6	69.1 72.6	69.1 72.6
≥ 2500 ≥ 2000	68.2 69.9	75.5 79.0	75.6 79.1	75.6 79.1	75.8 79.5	75.9 79.6	76.0 79.8	76.0 79.8	76.0 79.8		76.0 79.8	76.0 79.8	76.0 79.8	76.0 79.8	76.0 79.8	76.0
≥ 1800 ≥ 1500	70.5	80.3	80.4 85.1	80.6 85.7	81.0 86.0	81.1	81.3 86.7	81.3	81.3	81.3 86.7	81.3 86.7	81.3	81.3	81.3 86.7	81.3	81.3
≥ 1200 ≥ .000	72.8 73.0	87.3	88.0	88.6	89.0	89.1	89.9	90.0	90.0 91.9	90.0		90.0	90.3	90.0	90.0	90.0
≥ 900 ≥ 800	73.1	88.9	90.0	91.2	90.8	91.8	92.7	92.8	93.0	93.2	93.4	93.4	93.4	93.4	93.4	93.4
≥ 700	73.2	89.4	90.5	91.8	92.5			93.9	95.2	95.5	94.6 95.8	95.8	94.6 95.8	95.8	94.6	94.6
≥ 600	73.2	89.4		92.8	93.9			95.6			96.5 97.4	96.5	96.5 97.4		96.5 97.4	96.5
≥ 400 ≥ 300	73.2	89.4		92.8	94.7	95.4					98.0	98.0			98.0	98.0
≥ 200	73.2	89.4	91.2	92.8	94.8	95.5	96.9	97.4	98.1	98.8	99.8	99.8	100.0	100.0	100.0	100.0
≥ 100	73.2	1	-								99.8					

TOTAL NUMBER OF OBSERVATIONS ______930

USAF ETAC JUL & 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLGBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAP

PERCENTAGE FREQUENCY OF OCCURRENCE

930

1500-1700 HOURS (L.S.T.) (FROM HOURLY OBSERVATIONS)

CEILING							viS	(BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ ⊮:	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	48.6 59.9	49.1 61.6	49.1 61.6				49.5 61.9		49.5					49.5	4°.5	
≥ 18000 ≥ :6000	60.1	61.8	61.8	62.0	62.0		62.2		62.2	62.2	62.2		62.2	62.2		62.2
≥ 14000 ≥ 12000	61.3	63.2	63.2	63.4	63.4	63.5		63.5	63.5	63.5		63.5	63.5	63.5		63.5
≥ 10000 ≥ 9000	63.9		66.2	66.5		66.6	66.6		66.6	66.6		66.6		66.6		[
≥ 8000 ≥ 7000	65.7	68.2	68.2 70.1		1					68.5 70.4		68.5 70.4				68.5 70.4
≥ 6000 ≥ 5000	68.2 70.1	71.1 73.4	71 • 1 73 • 4	71.3 73.7	71.3 73.7			71.4 73.8		71.4 73.8		71.4 73.8			71.4 73.8	
≥ 4500 ≥ 4000	70.4 71.8	73.8 76.3	73.8 76.0						74 • 1 76 • 3		1					74 • 1 76 • 3
≥ 3500 ≥ 3000	73.5 77.0	78.0 82.5	78.0 82.5	78.2 82.8	78.2 82.8	78.3 82.9	78.3 82.9								78.3 82.9	
≥ 2500 ≥ 2000	79.2 50.2	86.0 88.0			86.3 88.6	-				86.6 88.9	86.6 88.9	86.6 88.9			86.6 88.9	86.6 88.9
≥ 1800 ≥ 1500	90.3 81.3	88.5 91.2				-	89.5 93.1		89.5 93.1	-	,				89.5 93.1	89.5 93.1
≥ 1200 ≥ 1000	81.7 82.2	92.6 93.4	93.5 94.4	94.3		94 • 8 95 • 7			95.1 95.9		95.1 95.9	95.1 95.9	95.1 95.9		95.1 95.9	95.1 95.9
≥ 900 ≥ 800	82.2 82.2	93.9	95.1 95.5			96.6 97.1				96.8 97.3			-		96.8 97.3	96.8 97.3
≥ 700 ≥ 600	82.3 82.3	94.4		96 • 6 96 • 7	97.3	97.6	98.0	98.3		98.3		98.3	98.3	98.3	98 • 1 98 • 3	98.1 98.3
2 500 2 400	82.3 82.3		95.9 95.9	96.8	97.7 97.7		98.4	98.8		98.8		98.8	98.8	98.8	98.7 98.8	
. 300 . 300	82.3 82.3		95.9 95.9	96.8	97.7		98.7	99.1	99.2	99.0 99.2	99.6		99.8	99.8	99.9	99.9
. 00 . 9	52.3 82.3	94.6		, ,	97.7 97.7			99.1 99.1	99.2 99.2		99.6 99.6		99.8 99.8		100.0	100.0

TOTAL NUMBER OF OBSERVATIONS

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7.72536

RANDOLPH AFB TX

70,73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000 HOURS (L.S.Y.)

CEILING	_						VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/5	≥ 2	≥+%	≥1%	<u> </u>	≥ %	≥ %	≥ %:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	51.7	53.7	53.8		54.1		54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54.1	54 - 1
	61.9	64.5	64.6	64.9					64.9	64.9	64.9		64.9	64.9	64.9	64.9
≥ 18000 ≥ 16000	62.5 63.0	65.8		65 • 7 66 • 2	65.7	65.7	65.7 66.2	65.7 66.2	65.7	65.7	65.7	65.7	65.7	65.7	66.2	65.7
≥ 14000	64.5	67.4	67.5		67.8		67.8	67.8	67.8	67.8		67.8	67.8		67.8	67.8
≥ :2000	67.4	70.4		70.9	70.9		70.9	70.9		70.9		70.9	70.9		70.9	70.9
≥ 10000	68.2	71.6		72.0			72.0	72.0				72.0	72.0	72.0		72.0
≥ 9000	68.4	71.8	71.9	72.3	72.3	72.3	72.3	72.3		72.3	72.3	72.3	72.3		72.3	72.3
> 8000	69.1	72.8		73.2	73.2		73.2	73.2		73.2	73.2	73.2	73.2	73.2		73.2
≥ 7000	70.1	74.1	74.2		74.6	74.6	74.6			74.6		74.6	74.6		74.6	74.6
≥ 6000	70.9	75.1	75.2	75.6	75.6		75.6			75.6		75.6	75.6		75.6	75.6
≥ 5000	72.5	76.9					77.4		-	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 4500	73.7	78.2					78.8			78.8	78.8	78.8	78.8		78.8	78.8
≥ 4000	75.1	84.0		80.6			80.6			80.6	80.6	80.6	80.6		60.6	80.6
≥ 3500	75.7	81.0	81.1	81.6			81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6	81.6
≥ 3000	77.3	83.5		84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 2500	78.2	85.7	85.8	86.3	86.3	86.3	86.3		86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3
≥ 2000	79.1	88.4	88.5	89.0	89.0	89.0	89.0	89.0	89.0	89.1	89.1	89.1	89.1	89.1	89.1	89.1
≥ 1800	79.1	88.8	88.9	89.5	89.5	89.5	89.5	89.5	89.5	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1500	79.9	91.0	91.6	92.4	92.4	92.4	92.5	92.5	92.5	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1200	80.5	92.4	93.1	94.0	94.0	94.1	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 1000	80.5	93.4	94.2	95 . 1	95.2	95.3	95.5	95.5	95.5	95.6	95.6	95.6	95.6	95.6	95.6	95.6
≥ 900	80.5	93.7	94.4	95.3	95.6	95.7	95.9	95.9	95.9	96.0	96 . C	96.0	96.0	96.0	96.0	96.0
≥ 800	80.6	93.8	94.6	95.5	95.8	95.9	96.1	96.1	96.1	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 700	80.6	94.1	94.9	95.8	96.2	96.3	96.6	96.8	96.8	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 600	80.6	94.3	95.2	96.1	96.6	96.7	97.1	97.3	97.4	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 500	80.6	94.4	95.4	96.5	96.9	97.0	97.5	97.7	98.0	98.2	98.2	98.2	98.2	98.2	98.2	98.2
≥ 400	80.6	94.4	95.4	96.5	97.0	97.1	97.6	97.8	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 300	80.6	94.4	95.4	96.5	97.2	97.3	97.8	98.3	98.6	99.0	99.0		99.1	99.1	99.1	99.1
≥ 200	80.6	94.4	95.4	96.5	97.2	97.3	97.8	98.3	98.6	99.0	99.0	99.1	99.4	99.4	99.6	99.6
≥ 100	80.6	94.4	95.4	96.5	97.2	97.3	97.8	98.3	98.6	99.0	99.1	99.2	99.5	99.5	99.8	99.8
≥ 0	80.6	94.4	95.4	96.5	97.2	97.3	97.8	98.3	98.6	99.0	99.1	99.2	99.5	99.6	99.9	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

.

. 43

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (L.S.T.)

CEILING					· -		VIS	IBILITY STA	ATUTE MILI	ES					_	
(FEE?)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	۱≤	≥ ¼	≥ %	≥ ⊬:	≥ 5/16	≥ ¼	≥c
NO CEILING ≥ 20000	52.4 5 5.6	56.1 59.7	56.5 60.0	57.1 60.6	57.1 63.6	57.1 60.6										
≥ 18000 ≥ 16000	56.3 56.6	60.4 60.6	60.8 61.0	61.4 61.6	61.6	61.4	61.4 61.6	61.4	61.4 61.6	61.4	61.4 61.6	61.4	61.4	61.4 61.6	61.4 61.6	61.4 61.6
≥ 14000 ≥ 12000	57.8 59.9	62.3 64.5	62.6 64.8	63•2 65•5	63•2 65•5	63.2 65.5										
2 00000 ≤	6D • 5	65.2	65.5	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9	65.9
≥ 8000 ≥ 7000	60.9 61.6	65.5	65.8 67.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5 67.7 68.3	66.5 67.7 68.3	66.5	66.5 67.7 68.3	66.5	66.5 67.7 68.3	67.7
≥ 6000 ≥ 5000 ≥ 4500	62.6	67.3 68.4	67.6 68.7	68.3 69.4 70.5	69.4	68.3 69.4 70.6		68.3 69.4 70.6	68.3 69.4 70.6	69.4 70.6	69.4 70.6	68.3 69.4	69.4 70.6	68.3 69.4 70.6	69.4 70.6	68.3 69.4 70.6
≥ 4000 ≥ 3500	64.2	70.4	70.3	71.0	71.1	71.1	71.1 71.5	71.1	71.1	71.5	71.1	71.1	71.1	71.1	71.1	71.1
≥ 3000 ≥ 2500	65.6	72.3	72.6	73.2 75.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 2000	67.6	76.6	77.1	78.1	78.2 79.5	78.2 79.5	78.2	78.2 79.5	78.2 79.5	78.2	78.2 79.5	78.2 79.5	78.2 79.5	78.2 79.5	78.2	78.2 79.5
≥ 1500	69.4 70.8	80.4	81.6 86.0	83.2	83.3	83.3	83.3 88.0	83.3	83.3 88.0	83.3 88.0	83.3 88.0	83.3 88.0	83.3 88.0	83.3 C.88	83.3 88.0	83.3 88.0
≥ ,000	71.7	87.6	89.1 90.2	90.8	90.9	91.0 92.0	92.3	91.2	91.2	91.2	91.2 92.3	91.2	91.2	91.2	91.2	91.2
≥ 800 ≥ 700 ≥ 600	72.3 72.3 72.4	90.2	91.4 92.0 92.6	93.2 93.9 94.7	94.6	93.8	95.1	94.1	94.1	94.1	94.1 95.1 96.1	94.1	94.1 95.1 96.1	95.1	94.1 95.1 96.1	94.1 95.1 96.1
≥ 500 ≥ 400	72.4	90.8 90.9 90.9	92.8	95.1 95.1	95.6 96.2 96.5	95.7 96.3 96.6	96.1 97.0 97.2	96.1 97.1 97.3	96.1 97.1 97.3	96.1 97.1 97.3	97.1 97.3	96.1 97.1 97.3	97.1 97.3	96.1 97.1 97.3	97.1 97.4	97.1 97.4
≥ 300 ≥ 200	72.4	90.9	92.8	95.1	96.6	96.7	97.3	97.5	97.6	97.7 98.6	97.7	97.7	97.7	97.7 98.6	97.8 99.0	97.8
≥ 100 ≥ 0	72.4 72.4	90.9 93.9	92.8 92.8	95.1 95.1	96.6 96.6	96.7 96.7	97.3	97.8 97.8	98.2	98.7	98.8 98.9	98.8	98.9 99.0	99.0	99.5 99.9	99.5 100.0

TOTAL NUMBER OF OBSERVATIONS ______930

GLOBAL CLIMATOLOGY BRANCH USAFETAC AI: JEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING							V15	BILITY STA	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1¼	≥1	≥ %	≥ %	≥ 4:	≥ 5/16	≥ ′4	≥0
NO CEILING	42.0	44.4	44.6	44.9	45.1	45.2	45.3	45.3	45.3	45.3	45.4	45.4	45.4	45.4	45.4	45.4
≥ 20000	48.2	51.5	51.7	52.0	52.2	52.3	52.4	52.4			52.4	52.4		52.5	52.5	
≥ 18000	48.6	51.9	52.1	52.4	52.6	52.7	52.8	52.8	52.8	52.9	52.9	52.9	52.9	52.9	52.9	53.5
≥ :6000	49.1	52.4	52.6	52.9	53.1	53.2	53.3	53.3	53.3	53.4	53.4	53.4	53.4	53.4	53.4	53.5
≥ 14000	49.9	53.4	53.6	53.9	54.1	54.2	54.3	54.3	54.3	54.3	54.4	54.4	54.4	54.4	54.4	54.4
≥ :2000	51.3	54.9	55.1	55.4	55.6	55,7	55.8	55.8	55.8		55.8	55.8	55.8	55.9	55.9	55.9
≥ 10000	52.1	56.0	56.2	56.5	56.7	56.8	56.9	56.9	56.9	56.9	57.0	57.0	57.0	57.0	57.0	57.0
≥ 9000	52.2	56.2	56.4	56.8	57.D	57.0	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.3	57.3	57.3
≥ 8000	53.2	57.2	57.4	57.7	57.9	58.0	58.1	58 • 2	58.2	58.2	58.2	58.2	58.2	58.2	58.2	58.3
≥ 7000	53.9	58.1	58.3	58.7	58.9	58.9	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.2	59.2	59.2
≥ 6000	54.4	58.7	58.9	59.3	59.5	59.5	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.6	59.8	59.8
≥ 5000	55.3	59.9	60.1	60.5	60.7	60.8	60.9	60.9	60.9	61.0	61.0	61.0	61.0	61.0	61.0	61.1
≥ 4500	56.1	60.7	60.9	61.3	61.5	61.6	61.8	61.8	61.8	61.8	61.9	61.9	61.9	61.9	61.9	61.9
≥ 4000	56.6	61.5	61.7	62.1	62.3	62.4	62.6	62.6	62.6	62.6	62.7	62.7	62.7	62.7	62.7	62.7
≥ 3500	57.5	62.6	62.8	63.2	63.4	63.5	63.7	63.7	63.7	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 3000	59.1	64.9	65.1	65.6	65.8	65.9	66.1	66.1	66.1	66.2	66.2	66.2	66.2	66.2	66.2	66.3
≥ 2500	6D.5	67.7	68.1	68.6	68.9	69.0	69.2	69.2	69.2	69.2	69.3	69.3	69.3	69.3	69.3	69.4
≥ 2000	61.6	70.3	70.7	71.2	71.5	71.7	71.9	71.9	71.9	72.0	72.0	72.0	72.0	72.0	72.0	72.1
≥ 1800	62.0	71.3	71.8	72.3	72.6	72.8	73.0	73.0	73.0	73.1	73.1	73.1	73.1	73.1	73.1	73.2
≥ 1500	63.3	74.9	75.6	76.5	76.8	77.0	77.3	77.3	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.5
≥ 1200	64.4	78.3	79.2	80.3	80.7	80.9	81.3	81.4	81.4	81.4	81.5	81.5	81.5	81.5	81.5	81.5
≥ 1000	65.Q	80.5	81.7	82.9	83.5	83.7	84.1	84.2	84.2	84.3	84.3	84.3	84.4	84.4	84.4	84.4
≥ 900	65.3	82.0	83.4	84.8	85.5	85.6	86.1	86.2	86.2	86.3	86.4	86.4	86.4	86.4	86.4	86.5
≥ 800	65.5	83.3	85.1	86.7	87.5	87.7	88.2	88.3	88.4	88.5	88.6	88.6	88.6	88.6	88.6	88.7
≥ 700	65.6	84.0	86.0	87.8	88.8	89.D	89.6	89.8	89.8	90.0	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600	65.7	84.7	86.9	89.0	90.2	90.5	91.1	91.4	91.4	91.6	91.7	91.7	91.7	91.8	91.8	91.8
≥ 500	65.7	84.9	87.4	89.7	91.4	91.7	92.5	92.9	93.0	93.3	93.4	93.4	93.5	93.5	93.5	93.5
≥ 400	65.7	85.0	87.5	90.1	92.0	92.5	93.4	94 . D	94.1	94.4	94.7	94.7	94.8	94.8	94.8	94.9
≥ 300	65.7	85.1	87.6	90.3	92.4	92.9	94.D	94.8	95.1	95.9	96.4	96.5	96.7	96.7	96.9	97.0
≥ 200	65.7	85.1	87.6	90.3	92.4	92.9	94.2	95.2	95.6	96.6	97.4	97.5	98.0	98.1	98.5	98.8
≥ 100	65.7	85.1	87.6	90.3	92.4	92.9	94.2	95.2	95.6	96.7	97.5	97.7	98.3	98.4	99.1	99.6
≥ 0	65.7	85.1	87.6		1	92.9	94.2	95.2			97.6	97.7	98.3	98.5	99.2	00.0
L	3551					/				· ·					<u> </u>	

TOTAL NUMBER OF OBSERVATIONS 7440

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7225<u>36</u>

RANDOLPH AFB TX

70,73-81

APR

0000-0200

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CEILING	-						VIS	BILITY STA	ATUTE MIL	£5						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%:	21%	≥1	≥ ¾	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	32.3 34.9	37.7 41.1	38.2 41.7	38.6 42.0	38 · 8 42 · 2	38.8 42.2	38.9 42.3	39.0 42.4								
≥ 18000 ≥ 16000	35.0 35.3	41.3	41.9		42.4 43.0	42.4 43.0	42.6 43.1	42.7 43.2	42.7							
≥ 14000 ≥ 12000	35.6 35.9	42.4	43.0 43.4	43.3	43.6 44.0	44.0	43.7	43.8	43.8	43.8	43.8	43.8 44.2	43.8	43.8	43.8	43.8
≥ 10000	36.1 36.1	43.9	44.4		45.D 45.1	45.0 45.1	45.1 45.2	45.2 45.3	45.2 45.3	45.2	45.2 45.3	45.2 45.3	45.2 45.3	45.2 45.3	45.2 45.3	45.3
≥ 8000 ≥ 7000	36.2 36.9	44.2	44.8	45.1 46.0	45.3	45.3	45.4	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6	45.6
≥ 6000 ≥ 5000 ≥ 4500	37.1 37.2 37.6	45.4	46.0 46.7 47.1	47.0	46.6 47.2 47.7	46.6	46.7 47.3 47.8	46.8 47.4 47.9	46.8 47.4 47.9	46.8 47.4 47.9	46.8 47.4 47.9	46.8 47.4 47.9	46.8 47.4 47.9	46.8 47.4 47.9	46.8 47.4 47.9	47.4
≥ 4000 ≥ 3500	37.9 37.9	46.6 46.9	47.4	47.8 47.8	48.0	47.7 48.0 48.2	48.1	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2	48.2
≥ 3000	38.8	48.6	49.1	49.4		49.7	49.8	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9	49.9
≥ 2000	41.2	1	55.3	55.9 57.2	56.1	56.1 57.4	56.2	56.3 57.7	56.3 57.7	56.3 57.7	56.3 57.7	56.3		56.3 57.7	56.3 57.7	56.3
≥ 1500 ≥ 1200	43.1	62.3	63.2	64.0 71.6	64.4 72.0	64.6 72.1	64.8 72.3	64.9 72.4	64.9 72.4	64.9 72.4	64.9 72.4	72.4	64.9 72.4	64.9 72.4	64.9 72.4	64.9 72.4
≥ 900	46.1	74.9	76.8 79.8	78.0 81.2	78.4 81.8	78.6 81.9	78.8 82.1	78.9 82.2	78.9 82.2		78.9 82.2	78.9 82.2	78.9 32.2	78.9 82.2	78.9 82.2	78.9
≥ 800	46.6	82.9	86.4	85.8	86.3	86.4	90.0	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1	90.1
≥ 600 ≥ 500 ≥ 400	46.6	83.7	87.8	90.7	93.2			94.8	92.0 94.8 95.7	92.0 94.8 95.7	92.0 94.8 95.7	92.0 94.8 95.7	92.D 94.8 95.7	92.0 94.8 95.7	92.0 94.8 95.7	92.0 94.8 95.7
≥ 300 ≥ 300	46.6 46.6	85.0 85.0	89.4 89.6	93.3	93.9 94.3 94.6	94.7 94.7	95.6 96.1	95.7 96.4 97.2	96.4	97.0	97.2 98.3	97.2 98.3	97.2	97.2	97.2 98.7	97.2
≥ 100 ≥ 0	46.6	85.0	89.6	93.3	94.6	95.0	96.1	97.2 97.2	97.2	97.9			98.9		99.6	99.7

TOTAL NUMBER OF OBSERVATIONS ____

900

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIS WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

TION STATION NAM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

C330-0500

CEILING							V15	BILLTY ST	ATUTE MIL	ES						İ
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥ %	≥ ⊬:	≥ 5/16	≥ ′₄	≥0
NO CERING ≥ 20000	22.6	27.9	28.3 31.2	28.8 31.7	29.2 32.1	29.2 32.1	29.3 32.2	29.3 32.3		29.4 32.4	29.4 32.4	29.7 32.7	30.0 33.0	30.0 33.0	30.1 33.1	30.2 33.2
≥ 18000 ≥ 16000	25.1 25.2	30.9	31.6 31.7	32.0 32.1	32.4 32.6	32.4	32.6 32.7	32.7 32.8	32.8	32.8 32.9	32.8	33.0 33.1	33.3 33.4	33.3 33.4	33.4 33.6	33.6 33.7
≥ 14000 ≥ 12000	25.6 26.1	31.3 32.1	32.0 32.8	32.4	32.9	32.9 33.7	33.0 33.8	33.1 33.9	33.2 34.0	33.2 34.0	33.2 34.0	33.4	33.8 34.6	33.8 34.6	33.9 34.7	34.0 34.8
0000°1 ≤ 0000° ≤	27.2 27.3	33.3	34.0	34.4 34.8	34.9 35.2	34.9 35.2	35.0 35.3	35.1 35.4	35.2 35.6	35.2 35.6	35.2 35.6	35.4 35.8	35.8 36.1	35.8 36.1	35.9 36.2	36.0 36.3
≥ 8000 ≥ 7000	27.6 27.8	33.9 34.3	34.6 35.0	35.0 35.4	35.4 35.9	35.4 35.9	35.6 36.0	35.7 36.1	35.8 36.2	35.8 36.2	35.8 36.2	36.0 36.4	36.3 36.8	36.3 36.8	36.4 36.9	36.6 37.0
≥ 6000 ≥ 5000	28.3 29.0	35.0 36.3	35.7 37.0	36.1 37.4	36.6	36.6 37.9	36.7 38.0	36.8 38.1	36.9 38.2	36.9 38.2	36.9 38.2	37.1 38.4	37.4 38.8	37.4 38.8	37.6 38.9	37.7 39.0
≥ 4500 ≥ 4000	29.0 29.1	36.6	37.3 37.9	37.8 38.3	38.2 38.8	38.2 38.8	38.3 38.9	38.4 39.0	38.6 39.1	38.6 39.1	38.6 39.1	38.8 39.3	39.1 39.7	39.1 39.7	39.2 39.8	39.3 39.9
≥ 3500 ≥ 3000	29.1 30.4	37.3 39.1	38.1 39.9	38.6 40.4	39.D	39.0 40.9	39.1 41.0	39.2 41.1	39.3 41.2	39.3 41.2	39.3 41.2	39.6 41.4	39.9 41.8	39.9 41.8	40.0 41.9	40.1 42.0
≥ 2500 ≥ 2000	31.8 32.9	42.2	43.0 48.6	43.8	44.2 50.1	44.2 50.1	44.3 50.3	44.4 50.4	44.6 50.6	44.6 50.6	44.6 50.6	44.8 50.8	45.1 51.1	45.1 51.1	45.2 51.2	45.3 51.3
≥ 1800 ≥ 1500	33.1 33.9	48.0 52.3	49.6 54.8	50.8 56.3	51.2 56.9	51.2 56.9	51.4 57.1	51.6 57.3	51.7 57.4	51.7 57.4	51.7 57.4	51.9 57.7	52.2 58.0	52.2 58.0	52.3 58.1	52.4 58.2
≥ 1200 ≥ 1000	34.8 35.3	57.8	60.6 65.1	62.2 66.9	62.9 67.7	62.9 67.7	63.1 68.1	63.3 68.4	63.4 68.6	63.4 68.6	63.6 68.8	63.8 69.0	69.3	64.1	64.2 69.4	69.7
≥ 9C0 ≥ 800	35.3 35.6	63.8	68.2 72.0	70.3 75.0		71.2 76.2	71.8 76.9	72.1 77.2	72.2 77.3	72.2	77.7	72.8 77.9	73.1 78.2	73.1 78.2	73.2 78.3	73.4 78.6
≥ 700 ≥ 600	35.8 35.9		74.6		79.8	82.8		81.0	81.2 84.6	81.2	81.6 85.0	81.8		82.1	82.2 85.7	
≥ 500 ≥ 400	35.9 35.9		77.2	84.1	84.7 87.0	84.8		86.7		87.0	87.3 90.3					
≥ 300	35.9 35.9	71.4	78.8 78.8	84.9	88.2	88.6		92.3 93.1	93.6		94.3 96.0		95.0 96.8		97.6	95.7
≥ 100 ≥ 0	35.9 35.9	71.4	78.8 78.8		88.2	88.7	91.7	93.1 93.1			96.1 96.1	96.3 96.3	97.0 97.0	97.2 97.2		99.1 100.0

TOTAL NUMBER OF OBSERVATIONS

907

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

week works a control

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0600-080C

CEILING							vis	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥ 21/:	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	19.9 22.8	24.4	25.1 29.0	25 · 1 29 · 1	25.2	25.3 29.3	25 • 3 29 • 4	25.3 29.6	25 · 3 29 · 6	25.4 29.7	25.4	25.4	25.7 29.9	25.8 30.0	26.3 30.6	26.4 30.7
≥ 18000 ≥ 16000	23.1 23.1	28.4	• 1	29.6 29.6	29.7 29.7	29.8 29.8	29.9 29.9	30.0 30.0	30.0 30.0	30 • 1 30 • 1	30 · 1	30.1 30.1	30.3 30.3	30 · 4	31.0 31.0	31.1
≥ 14000 ≥ 12000	23.8 24.6	29.2 30.0		30.3 31.1	30.4 31.2	30.6 31.3	30.7 31.4	30.8 31.6	30.8 31.6	30.9 31.7	30.9 31.7	30.9 31.7	31.1	31.2 32.0	31.8	31.9 32.7
≥ 10000 ≥ 9000	25.6 25.9	31.4 31.8		32.6 32.9	32.7 33.0	32.8 33.1	32.9 33.2	33.0 33.3	33.0 33.3	33.1 33.4	33.1 33.4	33.1 33.4	33.3 33.7	33.4 33.8	34.0 34.3	34.1 34.4
≥ 8000 ≥ 7000	26 • 2 26 • 8	32.8 33.6		33.9 34.7	34.0 34.8		34.2 35.0	34.3 35.1	34.3 35.1	34.6 35.4	34.6 35.4	34.6 35.4	34 · 8 35 · 7	34.9 35.8	35.4 36.3	35.6 36.4
≥ 6000 ≥ 5000	27.0 28.8	33.8 36.4		34.9 37.6	35.0 37.7	35.1 37.8	35.2 37.9	35.3 38.0	35.3 38.0	35.7 38.3	35.7 38.3	35.7 38.3	35.9 38.6	36.0 38.7	36.6 39.2	36.7 39.3
≥ 4500 ≥ 4000	29.1 29.6	37.1 37.8	38.1 38.9	38.2 39.1	38.3 39.2		38.7 39.6	38.8 39.7	38.8 39.7	39.1 40.0	39.1 40.0	39.1 40.0	39.3 40.2	39.4 40.3	40.0 40.9	40.1 41.0
≥ 3500 ≥ 3000	29.8 30.1	38.4 39.2	39.8 40.6	40.1 40.9	40.2	40.3 41.2	40.6 41.4	40.7	40.7 41.6	41.8 41.9	41.0 41.9	41.0	41.2 42.1	41.3	41.9 42.8	42.0 42.9
≥ 2500 ≥ 2000	31.2 32.4	41.9 45.6	43.6 47.6	44.0	44.6	44.7	44.9	45.0	45.0 49.9	45.3 50.2	45.3 50.2	45.3 50.2	45.6 50.4	45.7 50.6	46.2 51.1	46.3 51.2
≥ 1800 ≥ 1500	33.0 33.7	46.4	48.6 52.3	49.4 54.0	50.6 55.8	50.8 56.0	51.0 56.2	51.2 56.6	51.2 56.6	51.6 56.9	51.6 56.9	51.6 56.9	51.8 57.1	51.9 57.2	52.4 57.8	52.6 57.9
≥ 1200 ≥ 1000	34 • D 34 • 3	52 . 7 54 . 8	56.0 58.8	58.4 61.9	60.3	60.6 64.9	60.9 65.6	61.3	61.3	61.8	61.8 66.7	61.8 66.7	62.1 67.0	62.2 67.1	62.8 67.7	62.9 67.8
≥ 900 ≥ 800	34.7	56.9 58.8	61.7 65.0	64.9 69.0	67.6 72.0	68.0 72.6	73.3	69.2 73.9	69.3 74.0	69.8 74.7	69.8 74.8	69.8 74.8	70.2 75.2	70.3 75.3	70.9 75.9	71.0 76.0
≥ 700 ≥ 600	35.0 35.1	59.8	67.3	70.7 72.6	74.2	75.4 78.2	76.4	77.0	77.1 80.6	77.9	78.0 81.6	78.0 81.6	78.4 82.0	78.6 82.1	79.1 82.7	79.2 82.8
≥ 500 ≥ 400	35.1 35.1	61.6	67.9	73.3	78.4	81.1	83.3	82.3	82.7	87.6	83.8	88.0	84.3	84.4	85.0	85.1
≥ 300 ≥ 200 > 100	35.1 35.1	61.6	68.3	74.2	79.8 79.8	81.8	84.6	87.0 87.0	87.7 87.9	90.1	91.3	91.4	92.2	92.3	93.1	
≥ 100 ≥ 0	35.1	61.6	68.3	74.2	79.8	81.8	84.6	87.0	87.9	90.9	93.1 93.1	93.3	95.0 95.0	95.8 95.9	97.8 97.9	99.6

TOTAL NUMBER OF OBSERVATIONS 90

GLORAL CLIMATOLOGY BRANCH USAFETAC

ATE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING			-		•	-	VI\$	BILITY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 21/5	≥ 2	≥+%	≥11/4	≥1	≥ ¾	≥%	≥ %	≥ 5/16	≥ ′4	≥c
NO CEILING ≥ 20000	23.1 33.1	32.4 38.7	32.7 38.9	32.8 39.0		32 · 8 39 · 0	32.8 39.0	32.8 39.0	32.8 39.0	32.8 39.0	32.8 39.0	32.8 39.0		32.8 39.0	32.8 39.0	32.8 39.0
≥ 18000 ≥ 16000	33.1 33.7	38.7 39.3	38.9 39.6	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7	39.0 39.7
≥ 14000 ≥ 12000	34.3 35.3	40.1 41.2	40.3 41.4	40.4 41.6	40.4 41.6		40.4 41.6	40.4 41.6	40.4 41.6	40.4	40.4 41.6	40.4	40.4	40.4	40.4 41.6	40.4 41.6
≥ 10000 ≥ 9000	36 • 1 36 • 3	42.7 42.9	42.9 43.1	43.0 43.2	43.0 43.2	43.0	43.D 43.2	43.0 43.2	43.0 43.2	43.0 43.2	43.0	43.0 43.2	43.0 43.2	43.0 43.2	43.0 43.2	43.0 43.2
≥ 8000 ≥ 7000	37.4 38.1	44.3	44.7	44 • 8 45 • 7	44.8	44.8	44.8 45.7			44.9 45.8	44.9 45.8	44.9 45.8	44.9 45.8	44.9 45.8	44.9 45.8	44.9 45.8
≥ 6000 ≥ 5000	38.4 39.7	45.4	45.9 48.0	46.0	46.0 48.1	46.0 48.1	46.0 48.1	46.D	46.D 48.1	46.1	46.1	46.1	46.1 48.2	46.1	46.1 48.2	46.1 48.2
≥ 4500 ≥ 4000	39.7 40.1	47.4	48.2	48.4	48.4	48.4	48.4	48.4	48.4	48.6 49.3	48.6	48.6	48.6	48.6	48.6	48.6
≥ 3500 ≥ 3000	40.8	49.2 50.3	50.1	50.3	50.4	50.4	50.4	51.9	50.4	50.6 52.0	50.6 52.0	50.6	50.6 52.0	50.6 52.0	50.6 52.0	50.6
≥ 2500 ≥ 2000	43.2	55.0 61.2	56.1 62.4	56.8	56.9 63.6	63.6	56.9 63.6	56.9 63.6	56.9 63.6	57.0 63.7	57.0 63.7	57.0 63.7	57.0 63.7	57.0 63.7	57.0 63.7	57.0 63.7
≥ 1800 ≥ 1500	45.8	62.6	70.8	72.7	72.9	73.0	73.0		65.2 73.1	65.3 73.2	65.3 73.2	65.3 73.2	65.3 73.2	65.3 73.2	65.3 73.2	
≥ 1200 ≥ 1000 ≥ 900	48.9	74.0 77.1 78.7	76.7 80.4 82.3	78.9 83.2 85.2	79.3 83.8 85.9	79.4 83.9	79.4 83.9	79.8 84.2	79.8 84.2 86.4	79.9 84.3	79.9 84.3	79.9 84.3	79.9 84.3	79.9 84.3	79.9 84.3	79.9 84.3
≥ 900 ≥ 800 ≥ 700	49.1	79.6	83.8	86.9	88.0	86.0 88.1	86.1 88.2	88.6	88.6	86.6 88.7	86.6 88.7 90.7	86.6 88.7 90.7	86.6 88.7	86.6 88.7 90.7	86.6 88.7 90.7	88.7
≥ 600	49.2	80.1	84.6	88.7	90.9	91.3	91.9	1	92.4	92.8	93.0	93.0				
≥ 400	49.2	80.6	85.0		92.1	92.8		94.8	1	95.7	96.0 97.6	96.0		96.1	96.1	96.1
≥ 200 ≥ 100	49.2	80.6	85.0				94.0	95.2		97.0		98.6	99.1	99.4	99.8	, , ,
≥ 0	49.2			89.4	92.1		94.0					98.6		99.4	99.9	

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLES

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (LS.T.)

CEILING		-					VIS	BILITY ST	ATUTE MILI	ES					_	
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	39.7 47.3	42.3 50.9		42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1	42.3 51.1
≥ 18000 ≥ 16000	47.6 48.3	51.1 52.1	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3	51.3 52.3
≥ 14000 ≥ 12000	49.0 49.9	53.0 54.2	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4	53.2 54.4
≥ 10000 ≥ 9000	51.0 51.1	56.6 56.7	57.0	56.9 57.0	56.9 57.0		56.9 57.0		56.9 57.0	56.9 57.0		56.9 57.0	56.9 57.0		-	56.9 57.0
≥ 8000 ≥ 7000	52.2 52.9	58.3 59.3	59.7	58.7 59.7		58.7 59.7	58.7 59.7	58.7 59.7	58.7 59.7	58.7 59.7	58.7 59.7	58.7 59.7	58.7 59.7	58.7 59.7	58.7 59.7	58.7 59.7
≥ 6000 ≥ 5000	52.9 54.3	59.6 61.7	59.9 62.0	59.9 62.0	59.9 62.0		59.9 62.0	59.9 62.0		I				_	62.0	59.9 62.0
≥ 4500 ≥ 4000	54.7 56.8	64.7	62.3	62.4	65.2	62.4 65.2	65.2	62.4	62.4	65.2	62.4	62.4	62.4	62.4	62.4	62.4
≥ 3500 ≥ 3000	59.0 61.3	72.6	73.0		73.1	68.9 73.1	68.9 73.1	73.1	68.9 73.1 81.3	68.9 73.1 81.3	68.9 73.1 81.3	68.9 73.1 81.3	68.9 73.1 81.3	68.9 73.1 81.3	68.9 73.1 81.3	68.9 73.1 81.3
≥ 2500 ≥ 2000	65.7	80.2	84.3	81.3	<u> </u>	84.9	81.3 84.9	81.3 84.9 86.4	84.9 86.4	84.9	84.9	84.9	84.9	84.9	84.9	84.9
≥ 1800 ≥ 1500 ≥ 1200	65.9 66.4 66.7	84.8 87.4	88.7	86.3 89.2	86.3 89.3	86.4 89.4 91.4	89.4	89.6	89.6	89.6	89.7	89.7	89.7	89.7	89.7	89.7
≥ 1000	66.8	90.1	91.6		92.6		92.7	93.2	93.2	93.3	93.4	93.4	93.4	93.4	93.4	93.4
≥ 800	66.8	90.2		93.1	93.6	93.7	93.7	94.3	94.3	94.4	94.6	94.6	94.6		94.6	94.6
≥ 600 ≥ 500	66.8	90.7	92.8	94.1	94.9	95.0	95.3	96.3	96.3	96.4	96.6	96.6	96.6	96.6	96.6	96.6
≥ 400 ≥ 300	6 6.8	90.7		94.3	95.3 95.3		95.8	97.0	97.4	98.0	98.6	98.6	98.7	98.7	98.7	98.7
≥ 200	66.8	90.7		94.3	95.3 95.3	95.4	95.8	97.3	98.0	98.8	99.6	99.6		100.0	100.0	100.0
≥ 0	66.8			94.3	95.3		95.8				99.6				100.0	

900 TOTAL NUMBER OF OBSERVATIONS _

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIN MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOUNE (L.E.Y.)

CEILING			-				VIS	BILITY ST	ATUTE MIL	ES						
(FEE?)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 21/.	≥ 2	≥1½	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	44.6 55.8	46.1 58.7	46.1 58.8	46 • 1 59 • 0	46.1 59.1	46.1 59.1	46.1 59.1	46.1 59.1	46.1 59.1	46.1 59.1	46.1 59.1	46.1 59.1	46.1 59.1	46.1 59.1	46.1 59.1	46.1 59.1
≥ 18000 ≥ 16000	56.7 57.0	59.7 60.0	59.8 60.1	60 • 0 60 • 3	60.1	60.1 60.4	60.1 60.4	60.1 60.4	60 • 1 60 • 4	60.1 60.4	60.1 60.4	60.1 60.4	60.1 60.4	60.1 60.4	60.1 60.4	60.1
≥ 14000 ≥ 12000	58.0 58.3	61.0	61.1	61.3 61.8	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥ 10000 ≥ 9000	59.9 60.3	63.9	64.0 64.6	64 • 2 64 • 8	64.3	64.3	64.3	64.3	64.3 64.9	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 8000 ≥ 7000	61.7	65.9 67.1	66.0	66 • 2 67 • 4	66.3	66.3	66.3 67.6	66.3 67.6	66.3 67.6	66.3 67.6	66.3 67.6	66.3	66.3	66.3	66.3	66.3
≥ 6000 ≥ 5000	63.2 64.4	68.D	68.1 69.8	68.3 70.1	68.4	68.4	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3	68.4 70.3
≥ 4500 ≥ 4000	64.9 67.3	70.2 73.4	70.3 73.6	70.7 73.9	70.9 74.1	70.9 74.1	70.9 74.1	70.9 74.1	70.9 74.1	70.9 74.1	70.9 74.1	70.9 74.1	70.9 74.1	70.9 74.1	70.9 74.1	70.9 74.1
≥ 3500 ≥ 3000	69.7 71.4	76.9 81.8	77.0 81.9		77.6 82.9	77.6	77.6 82.9	77.6 82.9	77.6 82.9	77.6	77.6 82.9	77.6 82.9	77.6 82.9	77.6 82.9	77.6 82.9	77.6 82.9
≥ 2500 ≥ 2000	73.7 74.3	86.6	86.8		88.1 90.3	88.1 90.3	88.1 90.3		88.1 90.3		88.1 90.3	88.1 90.3	88.1 90.3	88.1 90.3	88.1 90.3	88.1 90.3
≥ 1800 ≥ 1500	74.6 75.0	89.0 90.7	89.7 91.4	90.9 92.8	91.2 93.1	91.2 93.1		91.2 93.2	91.2 93.2			91.2 93.2			91.2 93.2	
≥ 1200 ≥ 1000	75.2 75.4	91.8 92.6	92.9 93.9		,	94.9 96.0		, ,	95.0 96.1		95.1 96.3	95.1 96.3	95.1 96.3	95.1 96.3	95.1 96.3	95.1 96.3
≥ 900 ≥ 800	75.4 75.7	92.8 93.0		95.9 96.2	96.4 96.8	96.4	96.6 96.9		96.6 96.9		96.8 97.1	96.8 97.1	96.8 97.1	96.8 97.1	96.8 97.1	96.8 97.1
≥ 700 ≥ 600	75.8 75.9	93.4 93.6	94.8		97.7 98.0	97.7 98.0	97.9 98.2		97.9 98.2			98.1 98.4	98.2 98.6	98•2 98•6	98 • 2 98 • 6	98 • 2 98 • 6
≥ 500 ≥ 400	75.9 75.9	93.7 93.7	95.0 95.0		98.3 98.4	98.3 98.4	98.8		98.7 99.0	99.3	99.3		99.1 99.4		99.1 99.4	99.1 99.4
≥ 300 ≥ 200		93.7 93.7	95.1 95.1	97.6 97.6	98.6 98.6	98.6 98.6	98.9	99.0		99.9			100.0		99.9	100.0
≥ 100 ≥ 0	75.9 75.9		95.1 95.1		98.6 98.6	98.6 98.6		99.D							100.0	

TOTAL NUMBER OF OBSERVATIONS 90

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

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GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536 STATION

RANDOLPH AFB TX

70,73-81

APR

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2000

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ 4:	≥ 5/16	≥ '4	≥0
NO CEILING ≥ 20000	45.0 59.4	48.1		48.2 65.1			48.2 65.3			48.2 65.3		48.2 65.3		48.2 65.3	48.2 65.3	48.2 65.3
≥ 18000 ≥ 16000	60.2 60.8			66.1 67.0						66.3						
≥ 14000 ≥ 12000	62.3 62.7	68.3 69.3					70.0	70.0	68.9 70.0	70.0		70.0		1		
20000 ≤	63.6 64.1	70.6	71.6	71.7	71.9	71.9	71.9	71.9	71.9		71.9	71.9	71.9	71.9	71.9	
≥ 8000 ≥ 7000	65.6 6 6.6	72.7	74.6	74.7	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	73.3	74.9
≥ 6000 ≥ 5000	66.9	75.0 75.7	76.0	76.1	76.3		75.7 76.3	76.3	76.3	76.3	76.3			76.3	76.3	
≥ 4500 ≥ 4000	67.9 68.9	76.6 78.8	79.2			79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.8
≥ 3500 ≥ 3000	70.3 70.8	81.7 82.7	83.2		83.9	83.9	83.9	83.9	83.9	83.9	83.9	83.9	82.8	83.9		
≥ 2500 ≥ 2000	73.2 73.3	89.2	90.3	91.1	91.4	91.4	_	91.4	91.4	91.4	91.4	91.4	91.4	91.4		91.4
≥ 1800 ≥ 1500	73.4		92.3	93.1	93.6	93.6		93.6	93.7	93.7	93.8	93.8	93.8	93.8	93.8	93.8
≥ 1200	74.1	92.7	94.4	95.9	96.3	96.6	96.6	96.7	96.8	96.8	96.9	96.9		96.9	96.9	
≥ 900 ≥ 800	74 . 6		95.1		97.2	97.6		97.7	97.8	97.0 97.8	97.9	97.9		97.9		97.9
≥ 700 ≥ 600			95.4	97.1		98.1	98.1		98.4	98.4	98.7	98.7	98.7	98.7	98.7	
≥ 500 ≥ 400 ≥ 300	74.6		95.4	97.2	97.8	98.4	98.6		99.0	99.0	99.2	99.2	99.4		99.4	99.4
≥ 200	74.6		95.4	97.2	97.9	98.8	98.9	99.3	99.4	99.4	99.7	99.7	100.0	100.0	100.0	100.0
≥ 100	1		95.4							99.4				100.0		

900 TOTAL NUMBER OF OBSERVATIONS ____

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

VEARS

722536

RANDOLPH AFB TX

STATION NAME

70,73-81

APR

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300

CEIUNG				_			VIS	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/:	≥ 2	≥:%	≥1%.	≥1	≥ ¾	≥ %	≥ ٧:	≥ 5/16	≥ ¼	≥0
NO CEILING	44.6	48.6	48.9	49.D	49.4	49.4	49.6	49.7	4947	49.7	49.7	49.7	49.7	49.7	49.7	49.7
≥ 20000	50.2	56.1	56.7	56.8	57.2	57.2	57.3	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4	57.4
≥ 18000	50.9	56.8	57.3	57.4	57.9	57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.1
≥ 16000	51.6	57.4	58.0	58.1	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.8
≥ 14000	52.6	58.7	59.2	59.3	59.8	59.8	59.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
≥ :2000	52.9	59.3	59.9	60.0	60.4	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.7
≥ 10000	53.1	59.8	60.3	60 • 4	60.9	60.9	61.0	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.1
≥ 9000	54.0	60.7	61.2	61.3	61.8	61.8	61.9	62.0	62.0	62.0	62.0	62.0	62.0	62.0	62.0	
≥ 8000	54.2	61.0	61.6	61.7	62.1	62.1	62.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3
≥ 7000	54.4	61.8	62.3	62.4	62.9	62.9	63.0	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1	63.1
≥ 6000	54.6	62.0	62.6	62.7	63.1	63.1	63.2	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3	63.3
≥ 5000	55.3	63.2	63.8	63.9	64.3	64.3	64.4	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6	64.6
≥ 4500	55.8	63.7	64.2	64.3	64.8	64.8	64.9	65.0	65.0	65.0	65.0	65.D	65.0	65.0	65.0	65.0
≥ 4000	56.2	64.4	65.D	65.1	65.6	65.6	65.7	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
≥ 3500	56.6	65.4	66.0	66.1	66.6	66.6	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 3000	57.4	67.6	68.2	68.3	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
≥ 2500	59.1	71.0	71.8	72.2	72.7	72.7	72.8	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 2000	60.2	74.0	75.2	75.8	76.2	76.2	76.3	76.4	76.4	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 1800	61.2	76.1	77.3	77.9	78.3	78.3	78.4	78.7	78.7	78.8	78.8	78.8	78.8	78.8	78.8	78.8
≥ 1500	64 . Q	82.1	83.4	84.1	84.7	84.7	84.8	85.Q	85.0	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 1200	64.8	84.9	86.7	87.4	88.0	88.0	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ ;000	65.2	87.3	89.7	90.7	91.4	91.4	91.6	91.8	91.8	91.9	91.9	91.9	91.9	91.9	91.9	91.9
≥ 900	65.2	87.4	90.1	91.3	92.1	92.1	92.2	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 800	65.2	88.8	92.2	93.4	94.3	94.3	94.4	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 700	65.2	89.1	92.7	93.9	95.0	95.0	95.1	95.3	95.3	95.4	95.4	95.4	95.4	95.4	95.4	95.4
≥ 600	65.2	89.9	93.4	94.3	96.0	96.1	96.2	96.6	96.6	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 500	65.2	90.1	93.9	95.2	96.6	96.9	97.1	97.6	97.6	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 400	65.2	90.1	93.9	95.6		97.2	97.7	98.6	98.6	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 300	65.2	90.1	93.9	95.8	97.1	97.4	97.9	98.9	98.9	99.1	99.1	99.1	99.1	99.2	99.2	99.4
≥ 200	65.2	90.1	93.9	95.8	97.1	97.4	98.0	99.0	99.0	99.2	99.4	99.4	99.4	99.6	99.6	99.8
≥ 100	65.2	93.1	93.9	95.8	97.1	97.4	98.0	99.1	99.1	99.3	99.6	99.6	99.6	99.7	99.7	99.9
≥ 0	65.2	90.1	93.9	95.8		97.4	98.0	99.1	99.1	99.3	99.6	99.6	99.6	99.7	99.7	00.0

TOTAL NUMBER OF OBSERVATIONS ______900

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

(FROM HOURLY OBSERVATIONS)

APP

PERCENTAGE FREQUENCY OF OCCURRENCE

ALL HOURS (L.S.Y.)

CEIUNG							vis	18:L-TY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/5	≥ 2	≥+%	≥1%	≥1	≥ ¼	≥ %	≥ √:	≥ 5/16	≥ ′₄	≥c
NO CEILING	34.6	38.4	38.7	38.9	39.0	39.D	39.1	39.1	39.1	39.1	39.1	39.2	39.2	39.2	39.3	39.3
≥ 20000	41.0	46.1	46.6	46.7	46.9	46.9	47.0	47.0	47.1	47.1	47.1	47.1	47.2	47.2	47.3	47.3
≥ 18000	41.5	46.6	47.0	47.2	47.4	47.4	47.5	47.5	47.5	47.6	47.6	47.6	47.7	47.7	47.8	47.8
≥ .9000	41.9	47.1	47.6	47.7	47.9	47.9	48.D	48.1	48.1	48.1	48.1	48.1	48.2	48.2	48.3	48.3
≥ 14000 ≥ :2006	42.6	48.0	48.5	48.6	48.8		48.9	49.0	49.0		49.0	49.3	49.1	49.1	49.2	49.2
	43.2	48.8		49.5	49.7		49.7		49.8		49.8	49.8	49.9	49.9	50.0	50.0
≥ 10000	44.1	50.3	1 I	50.9	51 • 1	51.1	51.2	51.2		51.3	51.3	51.3	51.4	51.4	51.5	
	44.4	50.7		51.3			51.6				51.7	51.7	51.8	51.6	51.9	51.5
≥ 8000 ≥ 7000	45.1	51.6	- 1	52.3	52.5		52.6	52.6	52.6	52.7	52.7	52.7	52.8	52.8	52.9	52.5
	45.7	52.6		53.3			53.5								53.8	53.9
≥ 6000 ≥ 5000	46.1	53.0			53.9	53.9	54.0		54.0		54.1	54.1	54.2	54.2	54.3	54 • 3
	47.0	54.5			55.5		55.6				55.7	55.7			55.9	55.9
≥ 4500 ≥ 4000	47.3	55.0		55.8			56.1	56.2		56.2	56.2	56.3		56.3	56.4	56.4
	48.2	56.4		57.3			57.6				57.7			57.8	57.9	
≥ 3500 ≥ 3000	49.1	58.1		59.0	7 1 7		59.3	59.3	59.4	59.4	59.4	59.4	59.5	59.5	59.6	59.6
	50.2	60.2					61.6		61.7	61.7	61.7		61.8	61.8	61.9	62.0
≥ 2500 ≥ 2000	52.1	64.5	1	66.0	66.3		66.4	66.4	66.4	66.5	66.5	66.5	66.6	66.6	66.7	66.
	53.2	68.0		69.9			70.3				70.5				70.7	
≥ 1800	53.6		70.3	71.2		1	71.7	71.8			71.9	71.9	72.0	72.0	72.1	72.
	54.6			75.8			76.5	76.7		76.8	76.8	76.8	_	76.9	77.0	77.0
≥ 1200 ≥ 1000	55.4	76.4	, , ,	79.8	80.4		80.6	80.8			81.0	81.0		81.1	81.2	81.
	55.8	78.8		83.0			84.2	84.4			84.7		84.8	84.8	84.9	
≥ 900 ≥ 800	55.9	80.0		84.8	85.6	1	86.0	86.2		86.4	86.5	86.5	86.6	86.6	86.7	86.
	56.0	81.3	84.8	87.0		88.2	88.5				89.C		89.2	89.2	89.3	
≥ 700 ≥ 600	56.1	82.2		88.4		90.0	90.3				91.0	_		91.2	91.2	91.
	56.2			89.5			91.9				92.7				93.0	
≥ 500 ≥ 400	56.2		87.0	90.2	92.0		93.0	93.6	93.7	94.0	94.1	94.2		94.3	94.4	94 . 5
	56.2	83.2		90.6			94.0			95.5	95.7	95.8				96.
≥ 300 ≥ 200			87.4	90.8	92.9		94.6	95.7	96.0		97.3	1111		97.6	97.8	
	56.2	83.3	87.4	90.8			94.7		96.2			98.1	98.6	98.7	99.0	
≥ 100 ≥ 0	56.2			90.8	1	93.6	94.7	95.9						-	99.4	
	56.2	83.3	87.4	90.8	92.9	93.6	94.7	95.9	96.2	97.3	98.1	98.2	98.7	98.9	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS

7200

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

.

GLSPAL CLIMATOLOGY BRANCH STAFFTAC AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

70,73-81

MAY

ATION STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J030-0200

CEILING							٧١S	18:LITY ST	ATUTE MIL	ES						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥5%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ \/:	≥5/16	≥ ¼	≥0
NO CEILING ≥ 20000	31.5 34.2	41.7	1 - 2 - 1	42.4			42.4 47.3	42.4 47.3	42.4	42.4 47.3	42.4 47.3	42.4	42.4	42.4	42.4	42.4
≥ 18000 ≥ 16000	34.4	46.8	47.3		47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5	47.5
≥ 14000 ≥ 12000	34.5	47.1 48.2	47.6	47.7 48.8	47.8	47.8	47.8	47.8	47.8	47.8 48.9	47.8 48.9	47.8	47.8	47.8	47.8	47.8
2 10000 ≤	35.5 35.5	48.8	49.4	49.5	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6	49.6
≥ 8000 ≥ 7000	35.8 36.1	49.7 50.1		50.4 50.9	50.5	50.5	50.5	50.5	50.5	50.5	50.5 51.0	50.5	50.5 51.0	50.5 51.0	50.5	50.5
≥ 6000 ≥ 5000	36 • 3 36 • 6	5U · 8	51.4	51.7	51.8	51.8	51.8		51.8	51.8 52.3	51.8 52.3		51.8	51.8 52.3	51.8	51.8
≥ 4500 ≥ 4000	37.3 37.7	52.4	53.0	53.3 54.0	53.4		53.4	53.4 54.1	53.4	53.4	53.4	53.4	53.4	53.4 54.1	53.4 54.1	***
≥ 3500 ≥ 3000	38.9	54.2	54.8			55.4 56.2	55.5	55.5	55.5 56.3	55.5	55.5	55.5	55.5 56.3	55.5 56.3	55.5 56.3	55.5
≥ 2500 ≥ 2000	40.1	57.6 62.3	58.4	59.1 64.1	59.2 64.2	59.2	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4	59.4
≥ 1800 ≥ 1500	41.6	63.2		65.1	65.2	65.2	65.3	65.3	65.3	65.3		65.3	65.3	65.3	65.3	
≥ 1200 ≥ 1000	43.2	73.1	74.2	75.3		76.1	76.7	76.7	76.8	76.9	76.9	76.9	76.9	76.9 84.5	76.9	76.9
≥ 900 ≥ 800	45.5	81.7	83.5	84.8		86.D	86.6		86.7	86.8	86.8	86.8	86.8	86.8	86.8	86.8
≥ 700 ≥ 600	46.5	86.2		91.1	92.6	92.8		93.3	93.4	93.5	93.5 95.2	93.5	93.5	93.5 95.2	93.5	93.5
≥ 500 ≥ 400	46.6	88.2	-	93.7	95.5	95.7	96.6	96.7	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9
≥ 300 ≥ 200	46.8	88.6		95.1	97.0	97.2	98.3	98.5		98.9		99.4	99.4	99.4	99.4	99.4
≥ 100 ≥ 0		88.6	91.8	95.1	97.0		98.4	98.7	98.8	99.1	99.6	99.6	99.6		99.6	99.6

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC PORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

AD-A113 704	FEB 82	E ENVIRONM AFB, SAN A	NIONIO: I	EXAS. R	EVISEO	ATIONS UNIFOR	IM SUMM	ETC ARY OF	F/G 4/ SURE	/2 ETC (U)
3 5									N.C	
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GLCBAL CLIMATOLOGY BRANCH USAFETAC

AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

7225<u>36</u>

FANDOLPH AFB TX

70,73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3300-0500

CEIUNG	-						٧ıS	B:LITY ST	ATOTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	۲×۱≤	≥1%	≥1	≥ ¾	≥ %	≥ 4:	≥5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	22.8 24.4	29.7 32.0	30.2 32.7		31.0 33.8		1	31.3 34.1	31.3 34.1	31.5 34.3	31.5 34.3	31.5 34.3	31.5 34.3	31.5 34.3	31.7 34.5	31.7 34.5
≥ 18000 ≥ 18000	24.4	32.2 32.3		33.5	34.0	33.9 34.0		34.2 34.3	34.3	34.5 34.6	34.6 34.7			34.6 34.7	34.8 34.9	34.8 34.9
≥ 14000 ≥ 12000		32.3 33.3	32.9 34.0	34.6	35.1	35.1	35.4	35.4	35.4	35.7	34.7 35.8	34.7 35.8		34.7 35.8	36.0	34.9 36.0
20000 ≤	25.3 25.3	33.9 33.9	34.5	35.2	35.6	35.6	35.9	35.9		36.2	36.3 36.3	36.3		36.3	36.6	36.6
≥ 8000 ≥ 7000	25.8	34.9 35.6	35.6 36.2	36.9	37.3	36.7 37.3	37.0 37.6	37.6	37.6	38.0	37.4 38.1	37.4 38.1	37.4 38.1	37.4 38.1	37.6 38.3	38.3
≥ 6000 ≥ 5000	26.5	35.8 36.3	36.5 37.0	37.7	37.5 38.2	37.5 38.2	38.5		38.5	38.8	38.3		38.9		39.1	39.1
≥ 4500 ≥ 4000	27.8	37.8 38.7	38.5 39.5	40.3					41.1	41.4	40.4	40.4		40.4	40.6 41.7 43.0	
≥ 3500 ≥ 3000	28.6 28.7 29.7	39.5 39.7	40.4 40.6 43.2		42.0 42.5	42.0 42.5	42.4 42.8 45.7	42.4 42.8 45.7	42.4 42.8 45.7		42.8		42.8 43.2 46.1	42.8 43.2 46.1		
≥ 2500 ≥ 2000 ≥ 1800	30.9	46.1	47.4		50.2	50.3	50.6	50.6		46.0 51.0 51.7	46.1 51.2 51.9	51.2 51.9		51.2	_	
≥ 1500	32.6	52.3	54.2	L L	58.0	58.1	58.5		58.5	58.8	59.0		59.0	59.0		
≥ 1000	34.1	63.0	66.0			71.6			72.2		1		72.7	72.7	72.9	1
≥ 800 ≥ 700	35.2 35.3	69.6	74.0	77.6		80.4		81.2	81.2	81.5	81.7			81.7	81.9	81.9
≥ 600	35.5 35.7	73.7	78.9	83.8	87.0		88.1		88.3		88.9	88.9	88.9	88.9	89.1	89.1
≥ 400	35.8 35.8	74.9	81.3	87.4		91.7	93.1	93.5	93.5	94.1	94.5	94.5	94.5	94.5	94.7	
≥ 200	35.8 35.8	75.2	81.7	88.1			94.9			96.5 96.8	97.4		98.3	98.3	98.8	98.9
≥ 0	35 • 8	75.2		88.1	92.7	93.0	94.9	95.9	95.9	96.8	97.7	98.0	98.6			100.0

TOTAL NUMBER OF OBSERVATIONS ___

930

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722°36

RANDOLPH AFB TX

70,73-81

YAM

ATION STATION NA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2600-0800

CEILING							VIS	IBILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥ ۱%	≥1%	≥1	2 %	≥ %	≥ ⊬.	25/16	≥ %	≥0
> 50000 SEITING	18.8 20.5		25.3 29.0		= : : :	26•3 30•3		26.7 30.8				27.1 31.2	27.2 31.3	27.3 31.4	27.5 31.6	
≥ 18000 ≥ 16000	20.5 20.5					30.3 30.3		30.8 30.8		31.0 31.0		31.2 31.2	-	31.4 31.4	_	
≥ 14000 ≥ 12000	21.1	29.0 29.7	1	30.0 30.6			31.2 31.8		31.6 32.4		31.7 32.5			32.8		32.7
≥ 10000	21.7	30.4 30.9		31.8	32.6	32.8	33.0	32.9 33.3	33.5	33.5	33.7	33.3 33.8		33.5 34.0		34.3
≥ 8000 ≥ 7000	2 2. 6		32.4 32.7			33.8 34.2		34.3 34.7		34.5 34.9			35.3	34.9 35.4		35.7 36.1
≥ 6000 ≥ 5000	23.1	32.7 33.5	33.3 34.2	1	34.7 35.7	(35.5 36.5		35.7 36.7		35.9 36.9		36.1 37.1	36.6 37.5	36.9 37.8
≥ 4500 ≥ 4000	24.1 24.2	34.5	35.2	35.7		37.1	37.3	37.6	37.8	37.8		37.5 38.1		38.3	38.7	39.0
≥ 3500 ≥ 3000		35.7		37.0		38.4	38.6	38.9	39.1		39.2	38.8	39.5	39.6		
≥ 2500 ≥ 2000	26.0 26.7	43.2	44.7	45.8	47.5		48.1	48.5	48.8	43.5 48.9	49.0	43.8	49.4	49.5	50.0	50.3
≥ 1800 ≥ 1500			51.1	53.1		56.2	56.7	57.1	57.5	50.5 57.6	57.7	57.8	58.1	58.2	58.7	
≥ 1200 ≥ 1000		57.5	60.8	63.8	67.2	67.7	68.4	69.0	69.5		69.9	70.0	70.2	70.3	70.9	71.2
≥ 900 ≥ 800	29.5	64.8		73.8	78.1	78.7		80.5		81.3	81.6	76.1	81.9	82.0	82.6	82.9
≥ 700 ≥ 600	29.9	65.9		78.2	84.1		86.5	87.4	87.8	85.2 88.5	88.9	89.0	89.4	89.5	90.0	90.3
≥ 500 ≥ 400	30 · 1 30 · 1	67.4	73.8	80.5		88.6	91.0	90.1 92.6	93.0	94.0	94.6	91.8	95.2	95.3	92.9	96.1
≥ 300 ≥ 200 > 100	30 • 1 30 • 1 30 • 1	67.4	73.8 73.8	80.6	87.6	89.0	91.6	93.5	94.3		96.7	96.6	97.4	97.4	98.7	99.5
≥ 100	30.1	67.4						93.5 93.5				96.9		98.1	98.8	99.9

TOTAL NUMBER OF OBSERVATIONS ____

930

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

KANDOLPH AFB TX

70,73-81

MAY

722536

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3900-1100

CEILING			_				VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¼	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEUNG ≥ 20000	27.7 31.3	33.3 38.7						33.7 39.0	33.7 39.0					33.7 39.0	33.7 39.3	33.7 39.0
≥ 18000 ≥ 16000	31.5 31.5				39.2 39.2	-					39.2 39.2					
≥ 14000 ≥ 12000	31.8 32.6	39.9 41.0	39.9 41.0	40.1 41.3	40.2	40.2	40.2 41.4	40.2 41.4	40.2 41.4	40.2 41.4	40.2 41.4	40.2 41.4		40.2		40.2
≥ 10000 ≥ 9000	33.1 33.3	42.3 42.5				42.7	42.7	42.7 42.9	42.7	42.7 42.9	42.7 42.9	42.7 42.9	42.7 42.9	42.7		42.7 42.9
≥ 8000 ≥ 7000	34 • 1 34 • 7	43.4	43.4				43.9 44.6	43.9		43.9 44.6	43.9 44.6	43.9	4. 4.	43.9		43.9
≥ 6000 ≥ 5000	35.1 35.9	44.7 45.9	44.7	45 • 1 46 • 3	45.2 46.5	45.2 46.5			46.5	ĺ		45.2 46.5			46.5	
≥ 4500 ≥ 4000	36.2 36.9	47.3		1		47.1 48.2	47.1 48.2		48.2	48.2	47.1 48.2		48.2	47.1		Ī
≥ 3500 ≥ 3000	37.6 39.9	51.7	51.9	52.5	49.2 52.7	49.2 52.7	52.7	49.2 52.7	52.7	52.7			52.7		52.7	
≥ 2500 ≥ 2000	46.3	59.5 68.9	70.4	71.2	71.4	71.4	71.7	71.8	71.8	71.8	61.3 71.8			61.3	71.8	
≥ 1800 ≥ 1500	47.0 48.8		79.2	80.5	80.8	81.0		81.4	81.4	81.6				73.7	81.6	
≥ 1200	50.3 50.6		85.8	90.2	90.9	91.2	91.7	91.8	91.8	92.2	92.2	92.2	92.2		92.2	
≥ 900 ≥ 800	50.9 50.9	86.5	89.7	92.0	93.2	93.7	94.2	94.4	94.4	94.7	94.7	94.7		93.4	94.7	94.7
≥ 700 ≥ 600	50.9 50.9	87.4	90.5	93.4	94.6	95.8	96.6	97.1	97.3	97.8	98.0	98.0	98.0	98.0	98.D	98.0
≥ 500 ≥ 400	50.9	87.5		93.8	95.9	96.1 96.3	97.4	98.1	98.4	98.7	98.8	99.2	99.2	98.8	99.2	99.2
≥ 300 ≥ 200	50.9 50.9	87.5	91.0		95.9 95.9	96.3 96.3		98.2	98.5	99.4	99.6 99.8	99.6	99.8	99.6		99.9
≥ 100 ≥ 0	50.9	87.5									99.8				100.0	

930 TOTAL NUMBER OF OBSERVATIONS _

GLORAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

- July

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.S.T.)

CEILING							VIS	BILITY ST	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	21%	≥1	≥ 1%	≥%	≥ ₩:	≥ 5/16	2 4	≥0
NO CEILING ≥ 20000	38.0 42.9	43.0 49.7	43.0 49.7	43.0 49.9	43.0	43.0	43.0	43.0 49.9	43.0			43.0 49.9		43.0 49.9	43.0 49.9	
≥ 18000 ≥ 16000	43.1 43.7	50.0 50.8	50.0 50.8	50 · 2	50.2 51.0	50.2 51.0	50 • 51 • 0	50.2 51.0	50 • 2 51 • 0	50.2 51.0	50.2 51.0	50.2 51.0	50.2 51.0	50.2 51.0	50.2 51.0	50.2 51.0
≥ 14000 ≥ :2000	44.2 44.9	51.5 52.7	51.5 52.7	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9	51.7 52.9
≥ 10000 ≥ 9000	46.8 46.8		54.9 55.1	55 • 2 55 • 3	55.2 55.3	55.2 55.3	55.2 55.3	55.2 55.3	55.2 55.3	55.2 55.3	55.2 55.3	55.2 55.3	55.2 55.3	55.2 55.3	55.2 55.3	55.2 55.3
≥ 8000 ≥ 7000	47.4	55.8 56.9	55.8 56.9	56 • 1 57 • 2	56.1 57.2	56.1 57.2	56.1 57.2	56.1 57.2	56.1 57.2	56.1 57.2	56.1 57.2	56.1 57.2	56.1 57.2	56.1 57.2	56.1 57.2	56.1 57.2
≥ 6000 ≥ 5000	48.8	57.3 58.4	57.3 58.4	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7	57.6 58.7
≥ 4500 ≥ 4000	50 .3	59.5 63.0	59.5 63.0	59.8 63.3	59.9 63.4	59.9 63.4	59.9 63.4	59.9 63.4	59.9 63.4	59.9 63.4	59.9 63.4	59.9 63.4	59.9 63.4	59.9 63.4	59.9 63.4	59.9 63.4
≥ 3500 ≥ 3000	55.5 60.4		67.5 76.3	67.8 76.8	68.0 77.0	68.0 77.0	68.0 77.0	68.0 77.0	68.0 77.0	68.0 77.0	68.0 77.0	68.0 77.0	68.0 77.0	68.D	68.0 77.0	68.0 77.0
≥ 2500 ≥ 2000	64.3 65.8	85.9 90.9	85.9 90.9	86.6 91.9	86.9	86.9 92.5	86.9 92.8	86.9 92.8	86.9 92.8	86.9 92.9	86.9 92.9	86.9 92.9	86.9 92.9	86.9 92.9	86.9 92.9	86.9 92.9
≥ 1800 ≥ 1500	65.8 66.5	91.4 92.7	91.4 92.7	92 • 5 94 • 2	93.1 95.2	93.1 95.2	93.4 95.5	93.4 95.6	93.4	93.5 95.7	93.5 95.7	93.5 95.7	93.5 95.7	93.5 95.7	93.5 95.7	93.5 95.7
≥ 1200 ≥ 1000	66.7	94.0	94.3	96 • 1 96 • 8	97.1 97.7	97.1 97.7	97.4	97.5 98.3	97.5 98.3	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4
≥ 900 ≥ 800	66.7	94.3 94.4	94.7	97.0 97.2	98.D 98.3	98.0 98.4	98.3 98.7	98.5 99.0	98.5 99.0	98.6 99.2	98.6 99.2	98.6 99.2	98.6	98.6 99.2	98.6 99.2	98.6 99.2
≥ 700 ≥ 600	66.7	94.4	94.8 94.8	97.2 97.3	98.3 98.4	98.4 98.5	98.7 98.9	99.0 99.2	99.0 99.2	99.2	99.2 99.5	99.2 99.5	99.2	99•2 99•5	99.2 99.5	99.2
≥ 500 ≥ 400	66.7	94.4	94.6	97.3 97.3	98.4 98.5	98.5 98.6	98.9 99.0	99.2 99.5	99.2 99.5		99.5 99.7	99.5 99.7	99.5 99.8	99.5 99.8	99.5 99.8	99.5 99.8
≥ 300 ≥ 200	66.7	94.4	94.8	97.3 97.3	98.5 98.5	98.6 98.6	99.0	99.7 99.7	99.7 99.7	99.9	99.9	99.9	100.0	100.0		
≥ 100 ≥ 0	66.7	94.4	94.8 94.8	97.3 97.3	98.5 98.5	98.6 98.6	99.0 99.0		99.7 99.7		99.9			100.0		

TOTAL NUMBER OF OBSERVATIONS ___

930

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L.S.Y.)

CEILING							vi\$	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥21⁄.	≥ 2	≥1%	≥11%	≥1	≥ %	≥ %	≥ %	≥ 5/16	≥ ′₄	≥0
NO CEILING	46.7	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2	53.2
≥ 20000	54.1	62.9	62.9	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2	63.2
≥ 18000	54.2	63.1	63.1	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 16000	54.3	63.4	63.4	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ 14000	54.9	64.4	64.4	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7	64.7
≥ 12000	55.8	65.3	65.3	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6	65.6
≥ 10000	57.6	67.8	68.D	68.6	68.6	68.6	69.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 9000	57.7	68.1	68.3	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9	68.9
≥ 8000	58.4	68.8	I	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
≥ 7000	59.1	69.8		70.6	70.6	-	70.6	70.6	70.6		70.6	70.6	70.6	70.6	70.6	70.6
≥ 6000 ≥ 5000	59.2	71.0	71.2	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
	60.3	72.6		73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4	73.4
≥ 4500 ≥ 4000	60.6	73.7	73.9	74.5	74.5		74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5	74.5
	63.7	77.6		78.5	78.5		78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5	78.5
≥ 3500 ≥ 3000	68.2	83.5		84.4	84.4	84.4	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5	84.5
	69.9	87.3	87.6	88.3	88.3		88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4
≥ 2500	71.3	91.9	92.3	93.Q	93.0		93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 2000	71.6	93.4	93.8	94.7	94.8			95.3	95.3	95.4	95.5	95.5	95.5	95.5		
≥ 1800	71.6	93.5		94.8	95.1	95.1	95.4	95.5		95.6	95.7	95.7	95.7	95.7	95.7	
≥ 1500	72.3	94.3	94.6	95.8	96.3	96.3	96.7	96.8	96.9	97.1	97.2	97.2	97.2	97.2	97.2	
≥ 1200	72.0	94.9	7309	97.0	97.5		97.8	98.0	98.1	98.5	98.6	98.6	98.6	98.6	98.6	98.6
≥ 1000	72.2	95.2		97.4	98.1	98.2	98.6	98.7	98.8	99.4	99.6	99.6	99.6	99.6	99.6	
≥ 900	72.2	95.2		97.4	98.1	98.2	98.6	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	
≥ 800	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	72.2	95.2		97.4	98.1	98.2	98.6	98.7	98.8	99.5	99.7	99.7	99.7	99.7	99.7	99.7
≥ 600	72.2	95.2		97.4	98.1	98.2	98.6	98.8	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 500	72.2	95.2	95.9	97.4	98.1	98.2	98.6	98.8	98.9	99.6	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0			100.0
≥ 300	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8		100.0			100.0	
≥ 0	72.3	95.3	96.0	97.5	98.2	98.3	98.7	99.0	99.1	99.8	100.0	100.0	00.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____930

GLOBAL CLIMATOLOGY BRANCH USAFETAC AII WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

CEIUNG		<u> </u>					VIS	BILITY ST	ATUTE MILI	ES .						$\overline{}$
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥ 2 ½	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥%	≥ ⊬	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	46.1 58.0	51.7	51.8 68.0	51.8 68.1	51.8 68.2		51.8 68.2		51.8 68.2	51.8 68.2	51.8 68.2	51.8 68.2	51.8 68.2	51.8 68.2		51.8 68.2
≥ 18000 ≥ 16000	58.4 58.4	68.1 68.1	68.3 68.3	68 • 4 68 • 5	68.5 68.6	68.5 68.6	68.5 68.6			68.5 68.6	68.5	68.5 68.6	68.5 68.6	68.5 68.6	68.5 68.6	68.5 68.6
≥ 14000 ≥ 12000	58.8 60.5	70.9	71.1	69.4 71.3			69.5 71.4	71.4	71.4	71.4	71.4	69.5 71.4	71.4	69.5 71.4		71.4
≥ 10000 ≥ 9000 ≥ 8000	61.8	73.1 73.5 74.2		73.8 74.1 75.1	73.9 74.2 75.2	73.9 74.2 75.2	73.9 74.2 75.2	74.2	73.9 74.2 75.2	73.9 74.2 75.2	73.9 74.2 75.2	73.9 74.2 75.2	73.9 74.2 75.2	73.9 74.2 75.2	73.9 74.2 75.2	
≥ 7000 ≥ 7000 ≥ 6000	62.8	75.1 76.5	75.4	75.9 77.3		76.1	76.1 77.5	76.1	76.1	76.1	76.1	76.1	76.1 77.5	76.1	76.1	
≥ 5000 ≥ 4500	64.4	77.7	78.0	78.5 80.3		78.6		78.6	78.6			78,6		78.6	78.6	78.6 80.4
≥ 4000	67.3	84.7	82.5 85.1	83.2 85.8	83.3 86.1		86.1	86.1		83.3	86.1	86.1		86.1	86.1	86.1
≥ 3000 ≥ 2500 ≥ 2000	70.2	91.5	92.1	90.1 93.1	90.4	93.7	93.7	93.7	90.4	90.4		93.7	93.7	93.7	93.7	90.4
≥ 1800 ≥ 1500	71.0	93.3	94.2	95.3		95.9	95.9	96.0		95.6 96.1 96.8	96.1	96.1	96.1	96.1	96.1	96.1
≥ 1200 ≥ 1000	71.5 71.5 71.7	93.7 94.2 94.6	95.4	96.5	97.3	97.3	97.3	97.5	97.5		97.7	97.7		97.7	97.7	97.7
≥ 900 ≥ 800	71.7	94.7	96.0	97.2	98.1	98.1	98.1	98.4	98.6	98.8 99.2	98.9	98.9	98.9	98.9	98.9	98.9
≥ 700 ≥ 600	71.7 71.7	94.8 94.8	96.2 96.2	97.5 97.6			98.5 98.6	98.9 99.0	99.5		99.9	99.9	99.6 99.9		99.9	99.9
≥ 500 ≥ 400	71.7	94.8	96.2	97.6	98.5	98.5	98.6 98.6	99.0	99.5	99.8	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	71.7	94.8	96.2	97.6	98.5	98.5		99.0	99.5			99.9	100.0	00.0	00.0	00.0
≥ 100 ≥ 0	71.7	94.8								99.8			100.0			

TOTAL NUMBER OF OBSERVATIONS 927

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE ODGOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (LET.)

CEILING							vis	IBILITY ST.	ATUTE MIL	ES		-			•	
(FEE?)	≥10	≥6	≥ 5	≥ 4	≥3	≥21⁄.	≥ 2	¥₁≷	≥11/4	ا≤	≥ ¥	≥ %	≥ %:	≥ 5/16	≥ ¼	≥0
NO CEILING	46.7	54.4	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6	54.6
≥ 20000	52.0	63.0	63.2	63.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 18000	52.3	63.3	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8
≥ :6000	52.3	63.3	63.5	63.5	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.8	63.5	63.8
≥ 14000	52.5	63.6	63.9	63.9	64.1	64.1	64 - 1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1	64.1
≥ :2000	53.1	64.8	65.0	65.0	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3	65.3
≥ 10000	54.2	66.0	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 9000	54.2	66.0	66.2	66.2	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 8000	54.6	66.7	66.9	66.9	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 7000	54.7	67.2	67.4	67.4	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7	67.7
≥ 6000	55.1	68.1	68.3	68.3	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.6
≥ 5000	55.7	68.8	69.0	69.0	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4	69.4
≥ 4500	56.6	70.6	70.8	70.8	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1	71.1
≥ 4000	57.6	72.3	72.6	72.6	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9	72.9
≥ 3500	58.4	74.q	74.3	74.3	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 3000	59.7	76.8	77.1	77.1	77.6	77.6	77.6	77.6	77.6	77.6	77.7	77.7	77.7	77.7	77.7	77.7
≥ 2500	60.6	79.2	79.7	79.8	80.4	80.4	80.4	80.4	80.4	80.4	80.5	80.5	80.5	80.5	80.5	80.5
≥ 2000	61.4	83.2	83.8	83.9	84.6	84.6	84.6	84.6	84.6	84.6	84.7	84.7	84.7	84.7	84.7	84.7
≥ 1800	61.9	84.7	85.3	85.5	86.2	86.2	86.3	86.3	86.3	86.3	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1500	63.0	88.1	89.1	89.3	90.1	90.1	90.2	90.2	90.3	90.3	90.4	90.4	90.4	90.4	90.4	90.4
≥ 1200	63.8	92.2	93.3	93.5	94.3	94.3	94.4	94.4	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6
≥ 1000	64.3	94.1	95.6	95.9	96.8	96.8	96.9	96.9	97.0	97.0	97.1	97.1	97.1	97.1	97.1	97.1
≥ 900	64.5	94.3	95.8	96.1	97.Q	97.0	97.2	97.2	97.3	97.3	97.4	97.4	97.4	97.4	97.4	97.4
≥ 800	64.6	94.9	96.7	97.Q	98.2	98.2	98.5	98.6	98.7	98.7	98.8	98.8	98.8	98.8	98.8	98.8
≥ 700	64.7	95.0	96.9	97.2	98.4	98.4	98.7	98.8	98.9	98.9	99.0	99.0	99.0	99.0	99.0	99.0
≥ 600	64.7	95.0	96.9	97.2	98.4	98.4	98.9	99.0	99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2
≥ 500	64.7	95.0	97.1	97.4	98.6	98.6	99.5	99.6	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8
≥ 400	64 . 8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 300	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 200	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 100	64.8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	64 . 8	95.1	97.2	97.6	98.8	98.8	99.7	99.8	99.9	99.9	100.0	100.0	100.0	100.0	00.0	100.0

TOTAL NUMBER OF OBSERVATIONS 927

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATF HEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION STATION NAM

PERCENTAGE FREQUENCY OF OCCURRENCE
(FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING							VIS	BILITY ST	ATUTE MIL	ES			-			
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥21⁄.	≥ 2	≥+%	≥1%	≥1	≥ %	≥ %	≥ ५:	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	34.8	41.5		41.8	42.0	42.0	42.1	42.1 49.5	42.1 49.5	42.1	42.1 49.5	42.1 49.6	42.2 49.6	42.2	42.2	42.3
≥ 18000 ≥ 16000	39.8	48.8		49.4		49.6	49.7	49.7	49.7	49.8	49.8	49.8 50.0	49.8 50.0	49.8	49.9	49.9 50.1
≥ 14000 ≥ 32000	40.3	49.6		50 • 1 51 • 3	50.3 51.5		50.4 51.6	50.5	50 · 5	50.5 51.7	50.6	50.6	50.6	50.6	50.7 51.8	50.7
≥ 10000 ≥ 9000	42.0 42.1	52.2		52 · 8	53.0		53.1 53.3	53.1	53.2	53.2	53.2	53.2 53.4	53.3	53.3	53.3	53.4
≥ 8000 ≥ 7000	42.6 43.1	53.1	53.5	53.9		54.1 54.8	54.2	54.2	54.3 55.0	54 • 3 55 • 0	54.3	54.3	54.3	54.4	54.4	54 • 5 55 • 2
≥ 6000 ≥ 5000	43.4	54.6		55 · 3 56 • 3		55.6	\$5.7 \$6.7	55.7 56.7	55.7 56.7	55.8 56.8	55.8	\$5.8 \$6.8	55.8	55.9	55.9 56.9	56.0 57.0
≥ 4500 ≥ 4000	44 . 8 46 . D	56.7 58.5		57.5		57.8 59.8	57.9 59.8	57.9	57.9 59.9	58.D 59.9	58.0 60.0	\$8.0 60.0	58.0	58.1 60.0	58.1	58 • 2 60 • 1
≥ 3500 ≥ 3000	47.5	60.9		61.8		62.2	62.3	62.3	62.4	62.4	62.4	62.4	62.5 65.6	62.5	60.1 62.6 65.7	62.6
≥ 2500 ≥ 2000	50.8	68.4	69.0	69.8		70.3 75.1	70.4	70.5	70 • 5	70.5	70.6	70.6	70.6	70.6	70.7 75.8	70.7
≥ 1800 ≥ 1500	52.2 53.1	73.4 77.0	74.4	75.4 79.5	76.0 80.5	76.1	76.3	76.4	76.5	76.6 81.2	76.6 81.3	76.7	76.7	76.7 81.4	76.8	76.8 81.5
≥ 1200 ≥ 1000	53.7 54.2	80.5		83.6 86.6	84.6	84.7	85.1 88.5	85.2 88.7	85.3	85.5 89.0	85.5 89.1	85.6	85.6	85.6 89.2	65.7 89.3	85.7
≥ 900 ≥ 800	54.4	84.3	86.3	88.2	89.6	89.7 92.0	90.2	90.4	90.5	90.7	90.9	90.9	90.9	90.9	91.D 93.4	91.0
≥ 700 ≥ 600	54.7	86.3	88.8	91.3	93.1	93.3	93.9	94.2	94.3	94.7	94.8	94.8	94.8	94.9	95.D	95.D 96.4
≥ 500 ≥ 400	54.8	87.1 87.3	89.9	92.8	95.0 95.7	95.2	96.1 97.0	96.5	96.7	97.1 98.1	97.2	97.3	97.3	97.3	97.4 98.5	97.5
≥ 300 ≥ 200	54.9	87.3	90.3	93.4	95.9	96.2	97.3	97.8	98.1 98.2	98.6	98.9	99.0	99.1	99.1	99.2	99.3
≥ 100 ≥ 0	54.9	87.3	90.3	93.4	95.9	96.2	97.3	98.0 98.0	98.2 98.2	98.8	99.2	99.3	99.4	99.5	99.7	99.9

TOTAL NUMBER OF OBSERVATIONS

7434

UBAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

and the second of

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							٧١\$	BILITY STA	LTUTE MILI	ES						
(FEET)	≥:0	≥6	≥5	≥ 4	≥ 3	≥ 2 ½	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ /.	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	42.5	52.5 55.6	52.8 56.0	52.9 56.1	52.9 56.1	52.9 56.1	52.9 56.1	52.9 56.1	52.9 56.1	53.1 56.2	53.1 56.2	53.1 56.2	53.1 56.2	53.1 56.2	53.1 56.2	53 • 1 56 • 2
≥ 18000 ≥ 16000	45.1 45.2	56.0 56.1	56.3 56.4	56 • 4 56 • 5	56.4 56.5	56.4 56.5	56.4 56.5	56.4	56.4 56.5	56.5 56.6	56.5 56.6	56.5 56.6	56.5 56.6	56.5 56.6	56.5 56.6	56 • 5 56 • 6
≥ 14000 ≥ 12006	45.3 45.3	56.4 56.8	56.7 57.2	56.8 57.3	56.8 57.3	56.8 57.3	56.8 57.3	56.8 57.3	56.8	57.0	57.0 57.4	57.0 57.4	57.0 57.4	57.0 57.4	57.0 57.4	57.0 57.4
≥ 10000 ≥ 9000	45.6	57.7 58.0	58.1 58.3	58 • 2 58 • 4	58.2 58.4	58.2 58.4	58.2 58.4	58.2 58.4	58.2 58.4	58.3 58.5	58.3 58.5	58.3 58.5	58.3 58.5	58.3 58.5	58.3 58.5	58.3 58.5
≥ 8000 ≥ 7000	46.4	58.5 59.3	58.8 59.6	59.0 59.7	59.0 59.7	59.0 59.7	59.0 59.7		59.0 59.7	59.1 59.8	59.1 59.8	59.1 59.8	59.1 59.8	59.1 59.8	59.1 59.8	59.1 59.9
≥ 6000 ≥ 5000	46.8	59.8 60.7	60 • 2 61 • 1	60.4	60.4 61.3	60.4 61.3	60.4	6D.4	60.4	60.5	60.5 61.4	60.5	60.5 61.4	60.5	60.5 61.4	60.5 61.4
≥ 4500 ≥ 4000	48.1 48.4	61.8	61.6	61.8	62.5	62.5	62.5	62.0 62.5	62.0 62.5	62.1 62.6	62.1 62.6	62.1 62.6	62.1 62.6	62.1 62.6	62.1 62.6	62.1 62.6
≥ 3500 ≥ 3000	48.6 49.2	62.1 62.8	62.4	62 .6	62.7 63.5	62.7	62.7	62.7	62.7 63.5	62.8 63.6	62.8 63.6	62.8 63.6	62.8 63.6	62.8 63.6	62.8 63.6	62.8 63.6
≥ 2500 ≥ 2000	50.7 53.2	65.2 69.1	65.9	66.2 70.1	66.3 70.2	66.3 70.2	66.3 70.2	66.3 70.2	66.3 70.2	66.4 70.3	66.4 70.3	66.4 70.3	66.4 70.3	66.4 70.3	66 • 4 70 • 3	66 • 4 70 • 3
≥ 1800 ≥ 1500	54.5 59.6	70 • 7 78 • 5	71.4 79.2	71.7 79.5	71.9 79.6	71.9 79.6	71.9 79.6	71.9 79.6	71.9 79.6	72.0 79.8	72.0 79.8	72.0 79.8	72.0 79.8	72.0 79.8	72.0 79.8	72.0 79.8
≥ 1200 ≥ 1000	63.8 6 6.5	86.1 93.7	86.8 91.4	91.8	87.2 92.0	87.2 92.0	87.2 92.0		87.2 92.0		87.3 92.1	87.3 92.1	87.3 92.1	87.3 92.1	87.3 92.1	87.3 92.1
≥ 900 ≥ 800	67.3 68.3	92.8 95.0	96.1	94 • 1 96 • 4		94.3	94.3		94 • 3 96 • 7			94.4	94.4	94.4 96.8	94.4	
≥ 700 ≥ 600	68.6 69.0	96.6		98.3	98.1 98.7	98.1 98.7	98.1 98.7		98.1 98.7			98.2 98.9				
≥ 500 ≥ 400	69.0	96.9	98.8		99.1		99.1		99.1		99.3	99.3	99.3	99.3		99.8
≥ 300 ≥ 200	69.0 69.0	97.4		99.3			99.8		99.8	99.9		100.0	100.0	100.0	100.0	100.0
≥ 100	69.0	97.4			99.8	99.8	99.8		99.8		100.0 100.0					[

TOTAL NUMBER OF OBSERVATIONS ______899

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

89

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GLGBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

KANDOLPH AFB TX

69-70,73-80

JUN

ATION STATION NAM

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING					-		V15	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥+%	≥11/4	≥1	≥ ¾	≥ %	≥ ٧:	≥ 5/16	≥ ¼	≥c
NO CEILING ≥ 20000	22.8	34.8 37.7		36.0 38.9	T	36.6 39.4	36.8 39.7	36.8 39.8	36.8 39.8			37.0 40.0	37.0 40.0	37.0 40.0		37.0 40.0
≥ 18000 ≥ 16000	25.1 25.3	38.0 38.3	1 5 5 5 5 1	39.2 39.6	39.7 40.0	39.8 40.1	40.0	40.1	40.1 40.4	40.1 40.4	40.3 40.7	40.3 40.7	40.3 40.7	40.3 40.7	40.3 40.7	
≥ 14000 ≥ 12000	25.6 25.8		39.4 39.7	40.1 40.3	40.6 40.8	40.7 40.9	40.9 41.1	41.0 41.2	41.0 41.2	41.0 41.2	41.2 41.4	41.2 41.4	41.2 41.4	41.2 41.4	41.2	41.2 41.4
≥ 10000 ≥ 9000	25.9 25.9	- 1		40.9 40.9	41.3		41.7 41.7	41.8 41.8	41.8 41.8	41.8		42.0 42.0		42.C	42.0 42.0	42.3
≥ 8000 ≥ 7000	26.4 26.4	40.4	41.0				42.4						42.7		42.7	
≥ 6000 ≥ 5000	26.4 26.7		41.4	41 · 8 42 · 2	42.7		42.6 43.0	43.1	42.7	42.7		42.9 43.3			42.9	
≥ 4500 ≥ 4000	27.6	42.3	42.9		44.3			44.3				44.6	44.6 45.1	44.6	44.6	44.6
≥ 3500 ≥ 3000 > 2500	27.9 28.1 30.7	43.2	43.8	44.2	45.2				45.8	45.8	45.4 46.0 50.1	45.4 46.0 50.1	45.4 46.0 50.1	45.4 46.0 50.1	45.4 46.0	45.4 46.0 50.1
≥ 2000	33.8 35.1		52.1	48.8 53.1 55.0		49.4 53.8 55.8		54.2	54.2	54.2	54.4	54.4		54,4	54,4	54.4
≥ 1500	38.6	60.6	61.3		63.0	63.3	63.7	63.9	63.9 72.0	63.9	64.1	64.1	64.1	64.1	64.1	64.1
≥ 1000	45.0	75.2	76.9		79.2	79.6	79.9	80.1		80.1	80.3					80.3
≥ 800	47.9	83.8	85.8	87.3		88.8	89.1	89.3	89.3	89.3	89.6	92.3		89.6	89.6	89.6
≥ 600	48.7	88.0	90.4	92.6		94.3	94.8		95.1	95.1	95.3	95.3	95.3	95.3		95.3
≥ 400	48.8	89.2	92.6	94.8	96.1	96.9	97.6	98.0	98.0	98.0	98.2				98.2	
≥ 200	48.8	89.6								99.2		99.7			99.7	99.7
≥ 0	48.8	89.6	93.0	95.3	96.9	97.7	98.7	99.2	99.2	99.2	99.8	99.8	99.8	99.8	99.8	00.0

TOTAL NUMBER OF OBSERVATIONS ____

900

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIF MEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536 PANDOLPH AFB TX

69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEIUNG							vis	BILITY STA	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	2+%	≥11/4	≥1	≥ ¼	≥%	≥ 4:	≥ 5/16	≥ ′4	≥c
NO CEILING ≥ 20000	16.9	26.2 30.7	27.9 32.6	1		30.4 35.6		31.3 36.8	31.4 36.9		31 • º 37 • 2	31.8 37.2	31.8 37.2	31.8 37.2	31.8 37.2	31.8 37.2
≥ 18000 ≥ 16000	19.3 19.6	30.8 31.1		34.9 35.2	35.3 35.7	35.7 36.0		36.9 37.2		37.3 37.7		37.3 37.7		37.3 37.7		37.3 37.7
≥ 14000 ≥ 12000	20.3 20.8	32•2 33•0	34.1 34.9	36.4 37.2		37.2 38.0	38.7	38.4 39.2	39.3		39.7	39.7	39.7	38.9 39.7		
≥ 10000	21.3	34.0 34.2		38.2 38.6		39.0 39.3	40.0			41.0		40.7				
≥ 8000 ≥ 7000	21.9 22.0		36.6 36.9	39.3		39.8 40.1	40.8	41.3		41.8		41.4				
≥ 6000 ≥ 5000	2 2.1 2 2.4	35.2 36.0	37.1 37.9	39.6 40.3	40.0 40.9	40.3	42.0	42.6	41.7	43.0			43.0		42.0	
≥ 4500 ≥ 4000	22.8 22.8	36.4 36.7	38.3 38.8		41.8	41.8 42.2	42.9	43.6	43.1	43.4	43.4	43.4	43.4	43.4	43.4	43.4
≥ 3500 ≥ 3000	22.8	36.7		41.9		42.2	42.9		43.7	44.9	44.0	44.9	44.0	44.9	44.9	44.9
≥ 2500 ≥ 2000	24.7	39.7 47.1	49.7		53.0	45.9 53.6		47.2 55.1	47.3 55.3	55.7	47.7 55.7	47.7 55.7	47.7 55.7	47.7 55.7		55.7
≥ 1800 ≥ 1500	31.1	49.4 56.7	52.0 59.4		55.4	56.0 63.6	64.4		57.8 65.4	65.8	58.1	58 • 1 65 • 8	58.1 65.8	58.1 65.8	58 • 1 65 • 8	
≥ 1200	36.3 38.4	69.9	73.8		70.9	71.6	79.6		73.6	81.1	73.9	73.9	73.9	73.9	73.9	73.9 81.1
≥ 900 ≥ 800	38.9	75.1	77.0 79.6		81.3	82.1	83.4		84.6 87.9			85.1	85.2	85.2 88.6 92.1	88.6 92.1	85.2 88.6 92.1
≥ 700 ≥ 600	40.0 40.0	77.6	82.2	87.4	87.7	88.6 90.3	91.8		93.4	94.0		92.0	92.1 94.2 96.4	94.2	94.2	94.2
≥ 500 ≥ 400	40.0 40.1	79.7 80.1	85.2 85.7	89.8 89.8	91.8 91.9	92.2 93.0	93.8 94.8 95.2		95.4 96.4 97.1	96.1 97.2 98.0	96.3 97.6 98.4	96.3 97.6 98.4		96.4 97.7 98.8	96.4 97.7 98.8	96.4
≥ 300 ≥ 200 > 100	40.1 40.1	80.2			91.9	93.2 93.2	95.2	96.9	97.2	98.2	98.7	98.8	99.1	99.3		
≥ 100 ≥ 0	40.1	80.2						96.9					99.1	99.4		100.0

TOTAL NUMBER OF OBSERVATIONS

900

GLOEAL CLIMATOLOGY BRANCH USAFETAC AI: JEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

HOITATE

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

U900-1100

CEILING							viS	iB * > 51.	ATUTE MIL	ES						
(FEE')	≥:0	≥ 6	≥ 5	≥ 4	≥ 3	≥2%	≥2	≥ : ⅓:	≥١%	۲,	≥ %	≥%	≥ %.	≥ 5/16	≥ '4	≥0
NO CEILING ≥ 20000	40.6 47.1			51.7 59.2		51.7 59.2		51.7 59.2		51.7 59.2			51.7 59.2	51.7 59.2		51.7 59.2
≥ 18000 ≥ 16000	47.3 47.4	- · ·		59.6 59.7		59.6 59.7		59.6 59.7	-	59.6 59.7	1		59.6 59.7		59.6 59.7	
≥ 14000 ≥ 12000		62.2	62.6	62.6	62.6	62.6	62.6	61.2 62.6	62.6	62.6	62.6		62.6	62.6	62.6	
20000 ≤		63.8		64.4	64.4	64.4			64.4	64.4	64.4	64.4	64.4	64.4		64.4
≥ 8000 ≥ 7000		64.8		65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.4	
≥ 6000 ≥ 5000	51.8 52.8	66.2		66.7	66.7	66.7	66.7	66.7		66.7	66.7	66.7	66.7	66.7	66.7	
≥ 4500 ≥ 4000 ≥ 3500	53.5 53.9	67.4	68.2	68.2		68.3	68.3	68.3		68.3	68.3	68.3	68.3	68.3		67.5 68.3
≥ 3000		73.3	74.2	74.2	74.3	74.3	74.4	74.4	74.4	-	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2000	66.5	85.0	86.0	86.1	86.2	86.2	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4	86.4
≥ 1500	1	91.3		92.5		92.7	93.0	93.0	93.0	93.0	93.C	93.J		93.C	93.C	
≥ 7000	71.7	95.9		97.2	97.3	97.3	97.9	98.7	98.0	98.D	98.0	98.0	98.0	98.0	98.0	98.0
≥ 800 ≥ 700	72.0 72.0		98.1	98.4				99.2			99.2	99.2			99.2	99.2
≥ 600	72.0 72.1		98.2		98.8 99.1			99.4								
≥ 400	72 • 1 72 • 1				99.2	99.3	99.9	100.0 100.0	100.0	100.0	100.0	100.0	100.0	0.00	00.0	0.00
≥ 100	72.1 72.1	97.3	98.7	99.1	99.2	99.3	99.9		100.0	100.0	100.0	100.0	100.0	100.0	160.0	100.0
≥ 0	72.1	97.3	98.7	99.1	99.2	99.3	99.9	100.0	100.0	100.0	100.0	100.0	0.00	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _______899

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

3

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

ON STATION NAI

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1230-1400

CELLING							VIS	BILLITY STA	ATUTE MIL	ES						
(FEET)	≥.0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	۲. خ	≥1%	≥1	≥ %	≥ %	≥ ∀:	≥ 5/16	≥ %	≥0
NO CEIUNG ≥ 20000	59.2 66.8	66.3		66 • 4 74 • 6	66.4	66.4	66.4 74.6	1	66.4 74.6		66.4 74.6	66.4	66.4	66.4	66.4 74.6	66.4
≥ 18000 ≥ 18000	67.9	75.6 75.8	- 1	75.7 75.9	75.7	75.7	75.7	75.7	75.7 75.9	75.7	75.7 75.9	75.7	75.7 75.9	75.7 75.9	75.7	75.7
≥ 14000 ≥ 12000	70.2	78.0	78.9	78.1 78.9	78.1 78.9	78.1 78.9	78.1 78.9	78 · 1 78 · 9	78.1 78.9	78.1 78.9	78.1 78.9	78.1 78.9	78 • 1 78 • 9	78.1 78.9	78 • 1 78 • 9	78.1 75.9
2000°, ≥	73.3	81.2	81.3	81.3		81.3		81.3	81.3	81.3 82.2	81.3 82.2	81.3	81.3	81.3	81.3 82.2	
≥ 8000 ≥ 7000	75.0 75.2	83.0	83.1	83.1	83.1	83.1	83.1 83.3	83.1 83.3	83.1 83.3	83.1 83.3	83.1 83.3	83.1	83.1	83.1 83.3	63.1 83.3	
≥ 6000 ≥ 5000	75.6 76.0	83.6	83.7	83.7	83.7	83.7		83.7 84.3	83.7	83.7 84.3	83.7 84.3	83.7	83.7 84.3	83.7 84.3	83.7 84.3	
≥ 4500 ≥ 4000	76.8 77.8	85.0 86.2	85.1 86.3	85 · 1 86 · 3	85.1 86.3	85.1 86.3			85.1 86.3	85.1 86.3	85.1 86.3	85.1 86.3	85.1 86.3	85.1 86.3	85.1 86.3	85.1 86.3
≥ 3500 ≥ 3000	61.6 83.9	90.8	90.9					90.9 93.7	90.9 93.7		90.9 93.7	90.9			90.9 93.7	
≥ 2500 ≥ 2000	86.1	96.2	96.4		96.6 97.6	96.6 97.6		96.6 97.6	96.6 97.6		96.6 97.6	96.6	-	96.6 97.6	96.6 97.6	
≥ 1800 ≥ 1500	86.6	97.2	- 1			97.7 98.3		97.7 98.3	97.7		97.7 98.3	97.7 98.3		97.7 98.3	97.7 98.3	
≥ 1200 ≥ 1000	87.0 87.0	98.1	98.2 98.4		98.6	1	98.7 99.0	98.7 99.0	98.7 99.0	98.7 99.0	98.7 99.0	98.7 99.0			98.7 99.0	
≥ 900 ≥ 800	87.1 87.1	98.2 98.4	98.6 98.8		98.9 99.1	99.0 99.2		99.1 99.3	99.1		99.1 99.3	99.1 99.3		99.1 99.3	99.1 99.3	99.1 99.3
≥ 700 ≥ 600	87.1 87.1	98.6 98.7	98.9 99.0		• • • • •		99.4 99.6		99.4		99.4 99.6	99.4		99.4 99.6	99.4 99.6	
≥ 500 ≥ 400	87.1 87.1	98.7 98.7	99.0 99.0			99.6	99.8	99.8		99.8		99.8 99.8	99.9	99.9	99.8 99.9	99.9
≥ 300 ≥ 200	87.1 87.1	98.7 98.7	99.0			99.7	99.9	99.9		99.9		99.9	100.0	100.0	00.0	100.0
≥ 100 ≥ 0	67.1 87.1	98.7 98.7	99.0 99.0		99.6				99.9		99.9		100.0			

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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- 449 AV (871)

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

YEARS

732536

HANDOLPH AFB TX

69-70,73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L.S.T.)

CEILING							vis	IBILITY ST.	ATUTE MIL	ES						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥21%	≥ 2	≥1%	≥11/4	21	≥ ¾	≥ %	≥ ٧:	≥ 5/16	≥ 'a	≥c
NO CEILING ≥ 20000	70.3	75.4	75.4		75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4	75.4
2 20000	77.2	83.0		83.0	83.0	83.0			83.0	83.0						
≥ 18000	78.7	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8	83.8
≥ ≀6000	78.4	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 14000	80.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 12000	81.3	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6	87.6
≥ 10000	83.0	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7
≥ 9000	83.4	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2	90.2
≥ 8000	54.4	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 7000	85.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 6000	85.0	92.1	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
≥ 5000		92.6	92.9	92.9	92.9		92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9	92.9
≥ 4500	85.9	93.3		93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 4000	87.2	94.9			95.2				_		95.2	95.2		r .		95.2
≥ 3500	88.6	96.3		96.7	96.7		96.7	96.7	96.7	96.7	96.7	96.7		96.7	96.7	96.7
≥ 3000	89.4	97.3					97.7		97.7		97.7	97.7	1	97.7	97.7	97.7
≥ 2500	90.0	98.0			98.3				98.3		98.4	98.4	98.4	98.4	98.4	98.4
≥ 2000	90.2	98.3	-	98.7			98.7		98.7	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 1800	90.2	98.4	98.8		98.8			98.8	98.8	98.9	98.9	98.9	98.9	98.9	98.9	98.9
≥ 1500	90.3	98.6						99.0	99.0		99.1	99.1	99.1	99.1	99.1	99.1
≥ 1200	90.3	98.7	99.0		99.1	99.1	99.1	99.1	99.1	99.2	99.2	99.2		99.2	99.2	99.2
≥ .000	90.3	98.8		99.2	99.2		99.2	99.2	99.2	99.3	99.3	99.3			99.3	99.3
≥ 900	90.3	98.8		99.3			99.3				99.4	99.4		99.4	99.4	99.4
≥ 800	90.3	99.1	99.6				99.7		99.7	99.8	99.8	99.8				99.8
≥ 700	90.3	99.1	99.6		99.7		99.7									99.8
≥ 600	90.3	99.1	99.6				99.7			99.8		_	99.8			
≥ 500	90.3	99.3					99.9	99.9							100.0	
≥ 400	90.3	99.3		-	99.9										100.0	
≥ 300	90.3	99.3					99.9								100.0	-
≥ 200	90.3	99.3			-	• .	99.9	_							00.0	
> 100	90.3	99.3				99.9									00.0	
≥ 100	90.3	99.3					99.9				F 1		Г .	Г	100.0	
لنـــنا	70.3	77.3	77.0	77.7	77.7	77.9	77.7	7707	7707		# UU • U	<u> </u>	# UU • U	00.0	F 0 0 + 0	- UU - U
										τοτ	AL NUME	ER OF O	BSERVAT	IONS		900

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2000

ì								VIS	BELITY ST	ATUTE MIL	ES						
CEILIP																	
IFEE	" [≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¥	≥ %	≥ ¥:	≥5/16	≥ ¼	≥c
NO CEI		70.4	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9	74.9
≥ 200	000	80.8	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	86.3	66.3	86.3
≥ 180		81.4	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1	87.1
> .90	000	82.2	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 140		83.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4	89.4
≥ 120	90C	84.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0
≥ 100		84.9	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6	91.6
≥ 90	50C	ô5•3	92.1	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2	92.2
≥ 80		85.8	92.9	93.1	93.1	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ 70	000	86.4	93.7	94.0	94.0	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 60		86.7	93.9	94.2	94.2	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3	94.3
≥ 50	XX	87.0	94.2	94.6	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7
≥ 45		87.1	94.3	94.7	94.7	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 40	000	87.9	95.6	95.9	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 35		88.1	95.8	96.1	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 30	2000	88.9	96.6	96.9	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 25		89.2	97.2	97.6	97.7	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9	97.9
≥ 20	2000	89.6	97.7	98.0	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 18		89.7	97.9	98.2	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
≥ 15	500	90.0	98.3	98.8	99.1	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3	99.3
≥ 12		90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 10	000	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
	200	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 8	300	90.1	98.4	98.9	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
_	700	90.1	98.6		99.4	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 6	500 <u> </u>	90.2	98.8		99.7	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
	500	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
2 4	100	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
	300	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 2	200	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	00.0
	100	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	00.0
≥	0	90.2	98.8	99.2	99.7	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	00.0

TOTAL NUMBER OF COSERVATIONS ____

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION NAME

YEARS

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2300 HOURS (L.S.T.)

CEILING							vis	BILITY ST.	ATUTE MIL	ES						
(FEE ^T)	≥ ;0	≥6	≥ 5	≥ 4	≥ 3	≥ 21/.	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥ %	≥+:	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	67.7	75.7 81.2	75.7 81.2	75.7 81.2		75.7 81.2	75.7 81.2	75.7 81.2	75.7 81.2	75.7 81.2	75.7 81.2	75.7 81.2	75.7 81.2	75.7 81.2	75.7 81.2	75.7 81.2
≥ 18000 ≥ 16000	72.3 72.6	81.4	81.4 81.7	81.4	81.4	81.4	81.4	81.4 81.7	81.4	81.4	81.4 81.7	81.4	81.4 81.7	81.4	81.4	81.4
≥ 14000 ≥ 12000	73.1 73.4	82.6	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6 82.9	82.6
≥ 10000 ≥ 9000	74.9 75.1	84.9		84.9 85.2	84.9 85.2	84.9 85.2	84.9 85.2	84.9 85.2	84.9 85.2	84.9 85.2	84.9 85.2	84.9	84.9	84.9 85.2	84.9 85.2	84.9 85.2
≥ 8000 ≥ 7000	75.6 75.9	86.0 86.4		86 • D 86 • 4		86.0 86.4	86.D 86.4		86 • B	86.0 86.4	86.0 86.4	86.0 86.4	86.0 86.4	86.0 86.4	86.0 86.4	
≥ 6000 ≥ 5000	76 • 6 76 • 8	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3	87.1 87.3
≥ 4500 ≥ 4000	76.9 77.2	87.6 88.0		87.6 88.0	87.6 88.0				87.6 88.0	87.6 88.0	87.6 88.0	87.6 88.0	87.6 88.0	87.6 88.D	87.6 88.0	
≥ 3500 ≥ 3000	77.3 77.9	88.3 89.0	7 7 7 7	7.7.7.1		88.3 89.0		88.3 89.0		1 1 7 7	88.3 89.0	88.3	88.3 89.0			88.3 89.0
≥ 2500 ≥ 2000	78.3 79.7	89.4			89.4			89.4 91.6	89.4 91.6		89.4	89.4 91.6	89.4 91.6			
≥ 1800 ≥ 1500	80.1 82.9	92.0 95.7	92.0 95.7	92.0 95.9	1				92.0 95.9					92.0 95.9		92.0 95.9
≥ 1200 ≥ 1000	84 · 1	97.4		1 1 1 1 1		97.7 98.6	97.7 98.6	97.7 98.6		_ * :	97.7 98.6		97.7 98.6	97.7 98.6		
≥ 900 ≥ 800	84.7 84.8	98.3 98.4	98.3 98.4		98.6 98.7	- :			98.6 98.7	98.6 98.7	98.6 98.7	98.6 98.7	98.6 98.7	98.6 98.7	_ '	98.6 98.7
≥ 700 ≥ 600	84.8	98.6 99.0	1 2 7 11	1	98.9	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4	98.9 99.4		98.9 99.4
≥ 500 ≥ 400	84.9 84.9	99.0	99.4		99.8		99.8 99.8		99.8	99.9	99.9 99.9	99.9		99.9 99.9	99.9 99.9	00.0
≥ 300 ≥ 200	84.9 84.9	99.0	99.4				99.8 99.8	99.8	99.8	99.9	99.9	99.9		99.9	99.9 99.9	0.00
≥ 100 ≥ 0	84.9 84.9	99.0					99.8			99.9		-			99.9	

TOTAL NUMBER OF OBSERVATIONS ______900

USAF ETAC JULIA 0-14-5 (OL A) PREVIOUS ESTIONS OF THIS PORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUN

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING							VIS	BILITY STA	ATUTE MIL	ES			-			
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ ?	¥ن≲	≥1%	≥1	≥ ¾	≥ %	≥ ¥:	≥ 5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	48.8 54.1	57.1 63.5	57.5 63.9	57.8 64.3	58.0 64.4	58.0 64.4	58.1 64.5	58.2 64.6	58.2	58.2 64.7	58.3 64.7	58.3	58.3	58.3	58.3	58.3
≥ 18000 ≥ 16000	54.6	64.0	64.4	64.8	64.9	64.9	65.0 65.4	65.4	65.1	65.2	65.2	65.2	65.2	65.2	65.2	65.2
≥ 14000 ≥ :2000	55.8 56.4	65.6	66.0	66.4 67.1	66.5	66.5	66.6	66.7	66.7	66.8	66.8	66.8	66.8	66.8	66.8	66.8
≥ 9000 ≥ 10000	57.4 57.7	67.8	68.2	68.6 69.0	68.7 69.1	68.7	68.9	68.9 69.4	68.9	69.0 69.4	69.0	69.5	69.0 69.5	69.0 69.5	69.0 69.5	69.0
≥ 8000 ≥ 7000	58.4 58.6	68.9	69.4	69.8 70.3	69.9 70.4	70.0 70.5	70.1 70.6	70.2 70.7	70.2 70.7	70.2 70.7	70.3 70.8	70.3	70.3	70.3 70.8	70.3 70.8	70.3 70.8
≥ 6000 ≥ 5000	58.9 59.3	69.7	70.2 70.8	70.6 71.2	70.7 71.4	70.8 71.4	70.9 71.5	71.0 71.6	71.0	71.1	71.1 71.7	71.1	71.1	71.1	71.1 71.7	71.7
≥ 4500 ≥ 4000	59.8 60.4	70.9 71.6	71.4 72.2	71.8	72.0 72.8	72.0 72.9	72.2 73.0	72.2 73.1	72.3 73.1	72.3 73.2	72.3 73.2	72.3	72.3 73.2	72.3 73.2	72.3 73.2	72.3
≥ 3500 ≥ 3000	61.3 62.4	72.8 74.1	73.4	73.8 75.2	74 • D 75 • 4	74 • 1 75 • 5	74.2 75.6	74.3 75.7	74.3 75.7	74.4 75.8	74.4 75.8	74.4 75.8	74.4 75.8	74.4 75.8	74.4 75.8	74 • 4 75 • 8
≥ 2500 ≥ 2000	64.1	76.6	77.2 80.4	77.7 80.9	78.0 81.1	78.0 81.2	78.2 81.4	78.3 81.5	78.3 81.5	78.4 81.6	78.4 81.6	78.4	78.4 81.6	78.4 81.6	78.4 81.6	78.4 81.6
≥ 1800 ≥ 1500	69.0	80.7	81.4	81.9	82.2	82.3 86.5	82.4 86.7	82.6	82.6 86.8	82.6 86.9	82.7	82.7	82.7 86.9	82.7 86.9	82.7 86.9	82.7 86.9
≥ 1200 ≥ 1000	70.4	90.7	91.7	89.7 92.5	92.8	90.1	90.3	90.4	90.5	90.5	90.6 93.5	90.6	90.6	90.6	90.6 93.5	90.6
≥ 900 ≥ 800	72.5	91.8	93.0	93.8	94.2	94.3	94.6	94.7	94.8	94.9	94.9	94.9	94.9	94.9	94.9	96.4
≥ 700 ≥ 600	72.8	93.9	95.3	96.2	96.6	96.8	97.1	97.3	98.2	97.4	97.5	98.3	97.5 98.3	97.5	97.5 98.3	97.5
≥ 500 ≥ 400 ≥ 300	72.8 72.8	94.8 95.0	96.4 96.6 96.7	97.4 97.7	97.9 98.2	98.2	98.5 98.9	98.8 99.1	98.8 99.2	98.9 99.3	99.4	99.0 99.4	99.4	99.0 99.4	99.0 99.4	99.4
≥ 200	72.6	95.0 95.0	96.7	97.8	98.4	98.7	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.7	99.7 99.9	99.7
≥ 100	72.8	95.0	96.7	97.8	98.4	98.7	99.1	99.4	99.5	99.6	99.8	99.8	99.8	99.9	99.9	

TOTAL NUMBER OF OBSERVATIONS _______7198

GLOBAL CLIMATOLOGY BRANCH USAFETAC AT: WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

YEARS

722536

RANDOLPH AFB TX

69-70,73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							vis	BILITY ST.	ATUTE MIL	€S.						
IFEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥ 2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ /:	≥ 5/16	2.4	≥0
NO CEILING ≥ 20000	61.6 64.2			72.9 76. 9			73.0 77.0			73.D 77.0		1	73.0 77.0		73.0 77.0	73.0 77.0
≥ 18000 ≥ 16000	64.3 64.5	76.2 76.6	1 1 7 7 7	77.1 77.4	11111	77.2 77.5	77.2 77.5			77.2 77.5		77.2 77.5	77.2 77.5			77.2 77.5
≥ 14000 ≥ 12000	65.2 65.7	77.2 77.7	1177	78 • 1 78 • 6	78.2 78.7	78.2 78.7		78.2 78.7	11111	78.2 78.7		78.2 78.7	78.2 78.7	78.2 78.7		
≥ 10000 ≥ 9000	6 6 • 6	78.7 78.8		79.6 79.7	79.8	79.7 79.8	79.7 79.8	79.8	79.8	79.8	79.7 79.8	79.7 79.8	79.7 79.8			79.8
≥ 8000 ≥ 7000	67.1 67.3	79.8 80.6	81.0	80.8 81.6	80.9 81.7	80.9 81.7	80.9 81.7	81.7	80.9 81.7	8D.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	80.9 81.7	81.7
≥ 6000 ≥ 5000	67.3 67.5	8J.6 81.0	81.3	81.6 81.9	82.0	81.7 82.0			81.7 82.D	81.7 82.0			81.7 82.0		82.0	82.0
≥ 4500 ≥ 4000	67.6	81.1 81.3	81.4	82.0 82.3	82.2	82.2	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2 82.4	82.2	82.2	82.4	82.2 62.4	82.4
≥ 3500 ≥ 3000	67.8	81.4	81.7 82.0	82.4 82.7	82.5	82.5	82.5	82.5 82.8	82.5	82.5 82.8	82.5 82.8	82.5	82.5	82.5	82.5 82.8	82.8
≥ 2500 ≥ 2000	68.2	82.2	84.7	85.4	83.2 85.5 r>85.5	85.5										
≥ 1800 ≥ 1500 ≥ 1200	70.3	85.1 87.6		86.0 88.8	88.9	86.1	86.1	86.1 88.9 92.9	86.1 88.9 92.9	86.1 88.9 92.9	86.1 88.9 92.9	86.1 88.9 92.9	86.1 88.9 92.9	86.1 88.9	86.1 88.9 92.9	86.1 88.9 92.9
≥ 1000	74 • 1 75 • 9 76 • 2	91.4 94.9 95.8	95.7	92.8 96.5 97.3	92.9 96.6 97.4	92.9 96.6 97.4	92.9 96.6 97.4		96.6	96.6	96.6 97.4	96.6 97.4	96.6	96.6	96.6	96.6 97.4
≥ 800	76.3	96.2	97.0	97.8 98.6	98.7	98.0						98.0	98.7		1	
≥ 600	76.5	97.5	98.2		99.1	99.1	99.4	99.4	99.1	99.1	99.1	99.1	99.1	99.1	99.4	99.1
≥ 400	76.5	97.6	98.6	99.5	99.6	99.6	99.7		99.7	99.7	99.7	99.7	99.7	99.7	99.7	1
≥ 200	76.6 76.6	97.7	98.7	1111	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
≥ 0	76.6	97.7	98.7	99.7	99.8	99.8	100.0	100.0	100.0	100.0	100.0	100.0	00.0	100.0	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS

931

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

HANDOLPH AFB TX

69-70,73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	IBILITY ST.	ATUTE MIL	ES					•	
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 ½	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ ¼	≥0
NO CEILING	35.8 36.7	45.6	45.8 47.5	46.1	46.5 48.2	46.6 48.3	46.6 48.3	46.6	46.6	47.0	47.0	47.0	47.0	47.0	47.1	47.1
≥ 18000	36.8	47.4	47.6	48.0	48.3	48.4	48.4	48.4	48.4	48.8	48.7	48.7	48.8	48.8	48.9	48.9
≥ 16000	36.9	47.7	48.0	48.3	48.6	48.7	48.7	48.7	48.7	49.1	49.1	49.1	49.1	49.1	49.2	49.2
≥ 14000 ≥ 12000	37.0	48.0	48.2	48.5	48.8	48.9	48.9	48.9	48.9	49.4	49.4	49.4	49.4	49.4	49.5	49.5
	37.6	48.9		49.5	49.8	49.9	49.9	49.9	49.9	50.3	50.3	50.3	50.3	5C-3	50.4	50.4
≥ 10000	38.3	49.7	50.0	50.3	50.6	50.8	50.8	50.8	50.8	51.2	51.2	51.2	51.2	51.2	51.3	51.3
	38.6	50.4		51.1	51.4	51.5		51.5	51.5	51.9	51.9	51.9	51.9	51.9	52.0	
≥ 8000 ≥ 7000	39.1	51.5	51.8	52 • 2	52.5	52.6	52.6	52.6	52.6	53.0	53.0	53.0	53.0	53.0	53.1	53.1
≥ 6000	39.5 39.5	51.9 52.0	52.3 52.4	52.6 52.7	52.9 53.0	53.0	53.0	53.0 53.1	53.0 53.1	53.4	53.4	53.5	53.4	53.4	53.5	53.5
≥ 5000	39.6	52.7	53.0	53.3	53.7	53.8	53.8	53.8	53.8	54.2	54.2	23.2	54.2	53.5	53.7	53.7
≥ 4500	39.7	52.8	53.1	53.4		53.9	53.9	53.9	53.9		54.3	54.3	54.3	54.3	54.4	54.4
≥ 4000	39.8	53.1	53.4	53.8	54.1	54.2	54.2	54.2	54.2	54.6	54.6	54.6	54.6	54.6	54.7	54.7
≥ 3500	39.8	53.3	53.7	54.0	54.3	54.4	54.4	54.4	54.4	54.8	54.8	54.8	54.8	54.8	54.9	54.9
≥ 3000	39.9	53.7	54.2	54.6	54.9	55.1	55.1	55.1	55.1	55.5	55.5	55.5	55.5	55.5	55.6	55.6
≥ 2500	41.0	55.4	55.9	56.3	56.7	56.8	56.8	56.8	56.8	57.2	57.2	57.2	57.2	57.2	57.3	57.3
≥ 2000	43.4	58.7	59.4	59.9	60.2	60.3	60.3	60.3	60.3	60.8	60.8	60.8	60.8	60.8	60.9	60.9
≥ 1800	44.3	59.9	60.5	61.1	61.4	61.5	61.5	61.5	61.5	61.9	61.9	61.9	61.9	61.9	62.0	62.0
≥ 1500	47.1	64.6	65.7	66.2	66.6	66.7	66.7	66.7	66.7	67.1	67.1	67.1	67.1	67.1	67.2	67.2
≥ 1200	51.0	71.5	72.8	73.7	74.0	74.1	74.1	74.1	74.1	74.5	74.5	74.5	74.5	74.5	74.6	74.6
≥ ,000	54.8	78.7	80.2	81.3	81.6	81.7	81.7	81.7	81.7	82.2	82.2	82.2	82.2	82.2	82.3	82.3
≥ 90 0	56.1	82.9	85.1	86.1	86.5	86.6	86.6	86.6	86.6	87.D	87.0	87.0	87.0	87.0	87.1	87.1
≥ 800	57.7	86.7	88.9	90.0	90.3	90.4	90.4	90.4	90.4	90.9	90.9	90.9	90.9	90.9	91.0	91.0
≥ 700	58.8	89.2	91.6	92.7	93.0	93.1	93.1	93.1	93.1	93.5	93.5	93.5	93.5	93.5	93.7	93.7
≥ 600	59.6	92.2	94.6	95.9	96.2	96.3	96.3	96.3	96.3	96.8	96.8	96.8	96.8	96.8	96.9	96.9
≥ 500 ≥ 400	59.6	92.9	95.5	96.8	97.1	97.2	97.2	97.2	97.2	97.6	97.6	97.6	97.6	97.6	97.7	97.7
	59.6	93.4	96.5	97.8	98.2	98.3	98,4	98.4	98.4	98.9	98.9	98.9	98.9	98.9	99.0	
≥ 300 ≥ 200	59.6	93.4	96.8	98.3	98.6	98.7	99.0	99.0	99.0	99.6	99.6	99.6	99.6	99.6	99.7	99.7
	59.6	93.4	96.8	98.3	98.7	98.0	77.1	99.1	99.1	99.9	99.9	99.9	99.9		100.0	
≥ 100 ≥ 0	59.6	93.4	96.8		98.7	98.8	99.1	99.1	99.1	99.9	99.9	99.9			100.0	
	59.6	93.4	96.8	98.3	98.7	98.5	99.1	99.1	99.1	99,9	99.9	99.9	99.9	79.9	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSOLE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

3600-0800

CEILING					_		V15	BILITY ST	ATUTE MILI	ES	_					
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ 火	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	23.0 24.7			36.6 39.9	36.8	36 · 8	37.3 40.6	37.3 40.6	37.3 40.6		37.7 41.1	37.7 41.1	37.7 41.1	37.7 41.1	37.7 41.1	37.7 41.1
≥ 18000 ≥ 16000	24.8 25.3	37.5 38.1	39.7 39.2	40.0 40.5	40.2	40.2 40.8	-	40.8 41.3	40.8 41.3	41.D 41.5	41.2 41.7	41.2 41.7	41.2 41.7	41.2	41.2 41.7	
≥ 14000 ≥ 12006	25.5 26.2			41.3	41.5 43.3	41.5 43.3	42.0 43.9		42.0 43.9	42.3	42.5	42.5	42.5	42.5 44.3	42.5 44.3	42.5
≥ 10000 ≥ 9000	27.6 27.8	42.8	44.3	45.5 45.7	45.8 46.0	45.9 46.1	46.5 46.7		46.5	46.7	46.9 47.1	46.9	46.9 47.1	46.9	46.9	46.9
≥ 8000 ≥ 7000	28.3 28.5	43.7	45.3	46.5	47.2	47.3	48.0 48.2	48.2	48.0		48.4	48.4	48.4	48.5	48.5	48.6
≥ 6000 ≥ 5000	28.5 28.6	44.3		46.7	47.4	47.5 48.2	48.2 48.8		48.2	49.0		49.2		48.7	48.7	
≥ 4500 ≥ 4000	28.7	44.6	46.2	47.6	48.4	48.5	49.1 49.1	49.1	49.1 49.1	49.4	49.6	49.6		49.7	49.7	
≥ 3500	28.8 29.1	45.4	46.7	48.2	49.0	49.5	49.9 50.2	49.9 50.2	50.2	50.4	50.3 50.6	50.3 50.6 53.9		50.4 50.8 54.0	50 • 4 50 • 8	50.9
≥ 2500 ≥ 2000 ≥ 1800	30.9 33.2 34.3	48.2 52.8 54.7	54.8	51.6 56.6 58.5	52.6 57.5 59.5	52.7 57.6	53.4 58.4 60.3	53.4 58.4 60.3	53.4 58.4	53.7 58.6 60.5	53.9 58.8 60.8	58.8 60.8	58.8 60.8	54.0 58.9 60.9	54.0 58.9 60.9	54.1 59.0
≥ 1500	37.4 39.9	59.5	56.8 61.8	63.5 7D.9	64.5 72.3	64.6	65.6 73.5	65.6 73.5	65.6	65.8	66.0	_		66.1	66.1	66.2
≥ 1000	41.7	71.8	75.6	78.4 81.9	79.9 83.5	80.0 83.7	81.3	81.3	81.3	81.5 85.2	81.8	81.8	81.8	21.9 85.6	81.9	82.0
≥ 800	44.2	78.0	82.5	85.6	87.2			88.7	88.8	89.D	89.4	89.4		89.5	89.5	
≥ 600	45.7	82.8	87.8	91.5	93.3			95.1 96.5	95.3	95.5	95.8	95.8	95.8	95.9	95.9	96.1
≥ 400	46.2	84.0	89.5	93.3	95.4	95.7	97.3	97.4	97.6	97.8	98.3	98.3	98.3	98.4	98.5	98.7
≥ 200	46.2	84.0	89.5	93.4	95.5	95.9	97.6	97.7	98.0	98.4	98.9	98.9	99.0	99.1	99.4	99.9
≥ 0	46.2	84.0	89.5	93.4	95.5		97.6	97.7	98.0	98.4	98.9	98.9	99.0	99.1	99.4	100.0

TOTAL NUMBER OF OBSERVATIONS _

930

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

YEARS

722536 RANDOLPH AFB TX

69-70,73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J900-1100

CEILING							VIS	IBILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	⁵ ≥4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¥	≥ %	≥ ⊬.	≥ 5/16	≥ '4	≥0
NO CEILING	52.3	64.2	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3	64.3
≥ 20000	56.8	69.9	70.1	70.1	79.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1	70.1
≥ 18000	57.1	70.3	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5	70.5
≥ 16000	58.0	71.3	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5	71.5
≥ 14000	59.7	73.3	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5	73.5
≥ 12000	60.8	74.6	74.8	74 . 8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
≥ 10000	61.3	75.6	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
≥ 9000	61.9	76.2	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6	76.6
≥ 8000	63.4	78.1	78.4	78.5	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 7000	63.8	78.6	78.9	79.0	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2	79.2
≥ 6000	63.8	78.9	79.2	-	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6	79.6
≥ 5000	64.1	79.4	79.8		80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	80.1	8C.1
≥ 4500	64.2	79.6	80.0	80.1	80.3	80.3			80.3	80.3	80.3	80.3	80.3		80.3	80.3
≥ 4000	64.8	80.3	80.8	81.0	81.2	81.2	81.2		81.2	81.2	81.2	81.2	81.2	81.2	81.2	
≥ 3500	66.0	81.6	82.0	82.3	82.5			82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 3000	67.2	83.0	83.5		84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
≥ 2500	68.5	86.0	86.7	87.0	87.2				87.2	87.2	87.2	87.2	87.2		87.2	87.2
≥ 2000	71.3	90.0	90.6	91.1	91.3	91.3	1 . 1		91.3	91.3	91.3	91.3	91.3	91.3	91.3	
≥ 1800	72.4	91.6	92.3	92.7	92.9	92.9			92.9	92.9	92.9	92.9	92.9		92.9	
≥ 1500	73.5	94.2	95.1	95.5	95.7	95.7			95.7	95.7	95.7	95.7	95.7	95.7	95.7	
≥ 1200	74.6	95.7	96.7	97.2	97.5				97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
≥ 1000	74.8	97.0	98.0	98.5	98.8	98.9			99.D							
≥ 900	74.9	97.2	98.2	98.7	99.0		99.2		99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 800	74.9	97.2	98.2	98.7	99.0	99.1	99.2			99.4	99.4	99.4	99.4	99.4	99.4	
	74.9	97.2	98.2	98.8				99.5	99.5	99.5	99.5	99.5		99.5	99.5	99.5
≥ 700 ≥ 600	74.9	97.2	98.2	70.0	99.1	99.Z	99.5		99.8	99.8	99.8	99.8	99.8	99.8	99.8	
	74.9	97.2	98.2	70.0	99.5		99.7		100.0		100.0				100.0	
≥ 500 ≥ 400		: :		98.8			* * * * *							100.0		
~~~	74.9	97.2	98.2	78.9	99.5	99.6		100.0			100.0	100.0		100.0		
≥ 300 ≥ 200		97.2	98.2	98.8	99.5											
	74.9	97.2	98.2	78.8	77.5	99.6		100.0								
≥ 100 ≥ 0	74.9	97.2	98.2	98.8	99.5			100.0			100.0			F		
≥ 0	74.9	97.2	98.2	98.8	99.5	99.6	99.7	100.0	100.0	100.0	0.00	100.0	100.0	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ____

930

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF JEATHER SERVICE/MAC

#### **CEILING VERSUS VISIBILITY**

722536

RANDOLPH AFB TX

69-70,73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.S.Y.)

CEILING							vis	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ %	≥ 0
NO CEILING ≥ 20000	61.7	68.6 79.0	68.6 79.0	68.6 79.0	68.6 79.0	68.6 79.0		68.6 79.0	68.6 79.0		68.6 79.0	68.6 79.0	68.6 79.0	68.6 79.0	68.6 79.0	68.6
≥ 18000	72.0	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5	79.5
≥ 14000 ≥ :2000	72.2	82.2	79.7 82.2	79.7 82.2	79.7 82.2	82.2	79.7 82.2	79.7 82.2	79.7 82.2		79.7 82.2	82.2	82.2	79.7 82.2	79.7 82.2	79.7 82.2
≥ 10000	75.6 77.1	84.4	84.4		84.4	84.4	84.4	84.4	84.4		84.4	84.4	84.4	84.4	86.9	84.4
≥ 9000	77.3	87.3	87.3		87.3				87.3		87.3	87.3	87.3	87.3	87.3	87.3
≥ 8000 ≥ 7000	78.7 78.8	88.9	88.9 89.6	88.9 89.6	88.9 89.6	88.9 89.6	111111	88.9 89.6	88.9 89.6		88.9 89.6	88.9 89.6	88.9	88.9	88.9 89.6	88.9 89.6
≥ 6000 ≥ 5000	78.9	89.7 90.5	89.7 90.5	89.7 90.5	89.7 90.5	89.7 90.5	89.7	89.7 90.5	89.7		89.7 90.5	89.7	89.7	89.7 90.5	89.7 90.5	89.7 90.5
≥ 4500 ≥ 4000	80.3	91.4	91.4	91.4	91.4	91.4		91.4	91.4		91.4	91.4	91.4	91.4	91.4	91.4
≥ 3500 ≥ 3000	82.8	94.0	94.1	94.2	94.2	94.2	94.2	94.2	94.2	94.3	94.3	94.3	94.3	94.3	92.2 94.3	
≥ 2500	84.9	96.8	96.9		97.0 97.7	97.0	97.0 97.7	97.0 97.7	97.0 97.7	97.1 97.8	97.1 97.8	97.8	97.1 97.8	97.1 97.8	97.1 97.8	97.8
≥ 2000	85.5	97.8 98.2	98.0	98.4	98.4	98.4 98.7	98.5 98.8	98.5 98.8	98.5 98.8	98.6	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9	98.6 98.9	98.6
≥ 1500	85.8	98.6	98.8	99.2	99.2	99.2	99.4	99.4	99.4	99.5	99.5	99.5	99.5	99.5	99.5	99.5
≥ 1200 ≥ 1000	85.8 85.8	98.7 98.7	98.9 98.9	99.5 99.5	99.5 99.5	99.5 99.5	99.6	99.6 99.6	99.6 99.6	99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7 99.7	99.7
≥ 900 ≥ 800	85.8 85.8	98.7	98.9 98.9	99.5	99.5	99.5	99.6	99.6	99.6		99.7 99.7	99.7	99.7	99.7	99.7	99.7
≥ 700 ≥ 600	85.8 85.8	98.7	98.9	99.5	99.5	99.5	99.6		99.6			99.7	99.7	99.7	99.7	99.7
≥ 500 ≥ 400	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9	99.9	100.0	100.0	00.0	100.0	100.0	100.0	100.0
≥ 300	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9			100.0					
≥ 200 ≥ 100	85.8	98.7	98.9	99.5	99.5	99.5	99.6	99.9			100.0			-		
≥ 0	85.8	98.7	1 1 1 1	7.7	99.5	99.5	99.6	99.9			100.0					

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OPSOLETE

GLOPAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

#### **CEILING VERSUS VISIBILITY**

722536

RANDOLPH AFB TX

69-70,73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING	<del>-</del> ,						٧١S	BILITY ST	ATUTE MIL	ES			-			
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/5	≥ 2	≥1%	≥11/4	≥1	≥ %	≥ %	≥ 4:	≥5/16	≥ ¼	≥0
NO CEILING	64.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5	68.5
≥ 20000	76.2	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1	81.1
≥ 18000	76.6	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 16000	77.2	82.0	82.0	82.0	82.0					82.0	82.0			82.0		82.0
≥ 14000	78.8	84.2	84.2	84.2	84.2	84.2		84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2	84.2
≥ 12000	79.9	85.7	85.7	85.7	85.8		85.8	85.8		85.8	85.8	85.8	85.8	85.8	85.8	85.8
≥ 10000	81.6	88.1	88.3	88.3	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88.4	88 - 4
≥ 9000	81.6	88.2	88.4	88.4	88.5		88.5	88.5			88,5	88.5	7 7 7 7	88.5	88.5	
≥ 8000 ≥ 7000	82.7	90.0	90.2	90.2	90.3			90.3		90.3	90.3	90.3		90.3	90.3	90.3
<u> </u>	83.3	91.0	91.3	91.3	91.4						91.4	91.4	91.4	91.4	91.4	91.4
≥ 6000 ≥ 5000	83.8	91.4	91.7	91.7	91.8		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8
	84.8	92.9		93.2	93.3			93.3	93.3	93.3	93.3	93.3		93.3	93.3	
≥ 4500 ≥ 4000	85.1	93.2		93.5	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7		93.7	93.7
	85.7	94.7		95.4	95.5		95.5			95.5	95.5			95.5	95.5	
≥ 3500 ≥ 3000	86.3	95.5	96.1	96.2	1		96.3	_	96.3	96.3	96.3	96.3			96.3	96.3
	87.d	96.1	96.8	97.0						97.3	97.3		97.3	97.3		
≥ 2500 ≥ 2000	87.0	96.8	97.5	97.8	98.1	98.1	98.2	98.2	98.2	98.2	98.2	98.2		98.2	98.2	98.2
	87.q	97.2		98.4	98.6			98.7	98.7		98.7	98.7	98.7		98.7	98.7
≥ 1800	87.0	97.2	98.2	98.5	98.7	98.7	98.8	98.8		98.8	98.8	98.8		98.8	98.8	98.8
	87.1	97.6		99.0		99.2		99.5			99.6	99.6	99.6	99.6	99.6	99.6
≥ 1200	87.1	97.6	- 1	99 · 0	99.2			99.5			99.6	99.6		99.6	99.6	99.6
	87.2	97.7		99.1	99.4			99.6			99.7	99.7	99.7	99.7	99.7	99.7
≥ 900 ≥ 800	87.2	97.7	98.7	99.1	99.4		99.6	99.6			99.7	99.7	99.7	99.7	99.7	99.7
	87.2	97.7	98.7	99.1	99.4		99.6				99.7	99.7	99.7	99.7	99.7	99.7
≥ 700	87.2	97.7		99.1	99.4		99.8	99.8			99.9	99.9	99.9	99.9	99.9	99.9
<u> </u>	87.2	97.7	98.7	99.1	99.4		99.8	99.8	99.8	99.9	99.9	99.9			99.9	
≥ 500 ≥ 400	87.2	97.7	98.7	99.1	99.5	1 1 7 7		99.9			100.0					
	87.2	97.7	98.7	99.1	99.5			99.9			100.0					100.0
≥ 300	87.2	97.7	98.7	99.1	99.5			99.9		100.0	- 0000	100.0		100.0		100-0
<u> </u>	87.2	97.7		99.1	99.5			99.9			100.0					
≥ 100 ≥ 0	87.2	97.7	98.7	99.1	99.5		-				100.0					
≥ 0	87.2	97.7	98.7	99.1	99.5	99.5	99.9	99.9	99.9	700 <b>•</b> 0	100.0	100.0	0.00	100.0	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS _____

930

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2000 HOURS (LAT.)

CEILING							vis	ABILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥2½	≥ 2	≥1%	≥1%	≥1	≥ ¥.	≥%	≥ 4:	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	67.0 80.0	70.9 85.1	70.9 85.1	70.9 85.1	71.0 85.3	71.0 85.3	71.0 85.3					71.0 85.3	71.0 85.3		71.0 85.3	71.0
≥ 18000 ≥ 16000	60.3 o0.8		1 7 7 1	85.4 85.8		85.6 86.0	85.6 86.0	85.6 86.0	85.6 86.0	1 1 7 7 7		85.6 86.0	85.6 86.0	85.6 86.0	85.6 86.0	85.6 86.0
≥ 14000 ≥ 12000	32.4 83.8					87.7 89.9	87.7 89.9	87.7 89.9	87.7 89.9	87.7 89.9	87.7 89.9	87.7 89.9	87.7 89.9	87.7 89.9		87.7 89.9
≥ 10000 ≥ 9000	85.7 85.9	92.5 92.7	1	92.8 93.0		93.0 93.2	93.D 93.2			1	93.0 93.2	93.0 93.2	93.0 93.2		93.0 93.2	93.0 93.2
≥ 8000 ≥ 7000	86.5 86.6	- • .		94.3 95.1		94.6 95.4				94.6 95.4	94.6	94.6 95.4	94.6 95.4	94.6	94.6	94.6
≥ 6000 ≥ 5000	86.7 87.3	94.5 95.4		95.2 96.0	95.5 96.3		95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3	95.5 96.3
≥ 4500 ≥ 4000	87.3 87.5			96.0 96.6			96.3 97.0	96.3 97.0	96.3 97.0	-	96.3 97.1	96.3 97.1	96.3 97.1	96.3 97.1	96.3 97.1	96 • 3 97 • 1
≥ 3500 ≥ 3000	88.0 88.1	96.5 97.2		97.2 98.0	97.6 98.4		97.6 98.4	97.6 98.4	97.6 98.4	97.6 98.4	97.7 98.5	97.7 98.5	97.7 98.5	97.7 98.5	97.7 98.5	97.7 98.5
≥ 2500 ≥ 2000	88.1 88.4		1 1 7 1	98.2 98.6	98.6 99.0		98.6 99.0		98.6 99.0			98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1	98.7 99.1
≥ 1800 ≥ 1500	8 <b>8.4</b>	97.8	98.2		99.2		99.0 99.2		99.0 99.2	99.0 99.2	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4	99.1 99.4
≥ 1200 ≥ 1000	88.4	98.1	98.4	98.9 99.0	99.5		99.4	99.4	99.4	99.4	99.5 99.8	99.5	99.5 99.8	99.5	99.5	99.5 99.8
≥ 900 ≥ 800	88.4	98.1 98.1	98.4	99.0	99.5	99.5	99.5 99.5	99.5 99.5	99.5	99.7 99.7	99.8	99.8	99.8	99.8		99.8
≥ 700 ≥ 600	88.4	98.1 98.1	98.5	99.1	99.7	99.7	99.7	99.7 99.7	99.7	99.9	100.0	100.0	100.0	00.0	00.0	00.0
≥ 500 ≥ 400	88.4	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	00.0	00.0	00.0
≥ 300 ≥ 200	3 <b>8.4</b>	98.1	98.5	99.1	99.7	99.7	99.7	99.7	99.7	99.9	100.0	100.0	100.0	00.0	00.0	00.0
≥ 100 ≥ 0	8 <b>8.4</b> 8 <b>8.4</b>	98.1 98.1	98.5 98.5	99.1	99.7	99.7	99.7 99.7	99.7 99.7	99.7 99.7		100.0					

TOTAL NUMBER OF OBSERVATIONS ______930

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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C.5.A.

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SLEBAL CLIMATOLOGY BRANCH USAFETAC AIN MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2300 HOURS (L.S.Y.)

CEN-NO			-				VIS	BILITY ST	ATUTE MIL	ES						
(FEE")	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥ : %:	≥1%	≥1	≥ %	≥ %	≥ v;	≥ 5/16	≥ ¼	≥¢
NO CEILING ≥ 20000	75.9				, ,	83.3			83.3 89.5			83.3	83.3 89.5	83.3 89.5	83.3 89.5	
≥ 18000	81.2	89.4	89.4	7.7		89.7	89.7	89.7	89.7		89.7	89.7	89.7	89.7	89.7	89.
≥ .9000	61.4				* . * .		89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.
≥ 14000 ≥ 12000	82.5	90.4	90.6		1 1 1 1	93.8			90.8	1		90.8	90.8	93.8		90.
	83.2	91.9			92.3		92.3		92.3		92.3				92.3	_
≥ 10000 ≥ 9000	84.4	93.2	93.4		93.5	93.5	93.5 93.7		93.5	93.5	93.5	93.5				93.
≥ 8000	54.9	94.4	94.8			94.9	94.9		94.9							94.
≥ 7000	85.2	95.5	95.9	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.0	96.
≥ 6000	85.2	95.6	96.0	96.1	96.1	96.1	96.1	96.1	96.1	96.1		96.1	96.1	96.1	96.1	96.
≥ 5000	85.3	95.7	96.1	96.2		96.2			96.2			96.2	96.2	96.2		96.
≥ 4500 ≥ 4000	85.5		96.3	96.5												96.
≥ 3500	85.8		96.9	97.0 97.3		97.3							97.0			_
≥ 3000	86.2	97.1	97.5	97.7	97.7	97.7		97.7	97.7			97.7			97.7	97.
≥ 2500	86.5	97.6	98.1			98.3		98.3	98.3			98.3	98.3	98.3	98.3	98.
≥ 2000	86.7	97.8	98.3	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.5	98.
≥ 1800 ≥ 1500	86.7	97.8	98.3	98.5		98.5							98.5		98.5	98.
	86.9		99.0									99.2		99.2		
≥ 1200 ≥ 1000	87.2 87.2		99.5		'''	99.7						99.7 99.8		99.7		99.
≥ 900	87.2		99.6		_											
≥ 800	87.2		99.6													99.
≥ 700	87.2	99.1	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	99.9	99.9	99.
≥ 600	87.2	99.1	99.6													_
≥ 500 ≥ 400	67.2		99.6			99.8		99.8	99.8						99.9	-
	87.2		99.6			99.8			99.8	99.9					99.9	
≥ 300 ≥ 200	87.2		99.6	,,,,,		99.8									100.0	F
≥ 100	87.2		99.6			99.8	99.8	99.8	99.8						100.0	
≥ 0	67.2		99.6		1	99.8						_			100.0	

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH UTAFETAC ATL REATHER SERVICE/MAC

#### **CEILING VERSUS VISIBILITY**

722536

-ANDOLPH AFB TX

69-70,73-80

JUL

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEUNG							viS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥:0	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 %	≥ 2	۲.۱≤	≥11/4	≥1	≥ %	≥ %	≥ ⊬.	≥ 5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	55.2 61.4		63.7			64.0	1	64.1	64.1		64.2 71.5	64.2 71.5	64 • 2 71 • 5	64.2 71.5		64.2 71.5
≥ 18000 ≥ 16000	61.7 62.0		71.2 71.6	71.4	71.5	71.6	_	71.6 72.1	71.6 72.1	71.7	71.7	71.7	71.7	71.7	71.7	71.7
≥ 14000 ≥ 12000	63.1	72.7	73.0 74.5	73.3	73.4	73.4	73.4	73.4 75.0		73.5 75.0	73.5	73.5	73.5 75.1		73.6 75.1	73.6 75.1
2 '0000' ≤	65.3			76.6 76.9	76.7	76.8 77.1	76.8 77.2	76.8 77.2	76 • 8 77 • 2	76.9 77.2	76.9 77.3	76.9 77.3	76.9 77.3	76.9 77.3		76.9 77.3
≥ 8000 ≥ 7000	66.3	. 1	77.9 78.6			78.5 79.2	78.6 79.3		78.6 79.3			78.7 79.4				78.8 79.5
≥ 6000 ≥ 5000	66.7	78.3 79.0	78.8 79.4			79.4 80.1	79.5 80.1	79.5 80.1		79.5 80.2	79.6 80.3	79.6 80.3	79.6 80.3			79.6 80.3
≥ 4500 ≥ 4000	67.3 67.6					1			80.4	80.5 81.1	80.5 81.2	80.5 81.2	80.5 81.2	80.5 81.2	80.6 81.2	
≥ 3500 ≥ 3000	68.2 68.8						_	81.8			82.0 83.0	82.D 83.D			82.0 83.0	82.0 83.0
≥ 2500 ≥ 2000	69.4 70.7		7 7 7 7					84.2 86.3					84.3			
≥ 1800 ≥ 1500	71.1 72.3			86.6 88.8		86.9 89.1				87.1 89.4			87.1			87.2 89.5
≥ 1200 ≥ 1000	73.5 74.5	89.7 92.0			91.8 94.4	91.8 94.4	94.6	94.6	94.6		94.8	94.8				92.2 94.9
≥ 900 ≥ 800	75.2		95.3	96.2	96.6	96.6	96.8	96.9	96.9	96.0 97.0	97.1	97.1	96.0 97.1	97.1	97.1	96.1 97.1
≥ 700 ≥ 600	75.5 75.7	95.4	96.8	97.8	97.4 98.3	98.3	98.6	98.7	98.7	97.9 98.8	98.9	98.9	98.9	98.9	98.9	
≥ 500 ≥ 400	75.7 75.7	95.7	97.3	98.4	98.9	98.9	99.2	99.0	99.4	99.5	99.6	99.3	99.6	99.6	99.6	99.3
≥ 300 ≥ 200	75.7 75.7	95.8	97.4	98.5	99.0 99.0	99.1	99.4	99.5	99.5	99.7	99.8	99.8	99.9	99.9	99.9	
≥ 100 ≥ 0	75.7 75.7		1 _ 1 .		99.0 99.0					_						.00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (QL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIL WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

VEADS

7225 36

RANDOLPH AFB TX

69-70,73-80

AUC MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							vis	B:LITY ST	ATUTE MIL	€5						
(FEET)	≥:C	≥6	≥ 5	≥ 4	≥ 3	≥3.¥	≥ 2	≥+%	≥1%	≥1	≥ %	≥ %	≥ ٧:	≥ 5/16	≥ %	≥c
NO CEILING ≥ 20000	51.6	72.8	/	73.4			73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7	73.7
≥ 18000	64.5	76.5	<del></del> -	77.1	77.3				77.3		77.3		77.3			
≥ 6000	54 • 6 64 • 8	76.7	77.1	77.3	77.5		77.5 78.0			77.5		77.5 78.0	77.5 78.0			77.5 78.0
≥ !4000	65.3	77.8	78.3	78.6	78.8		78.8	78.8	78.8	78.8	78.8	78.8	78.8	73.8	78.8	78.8
≥ 2000	66.3	79.8		80.5									80.9			
> 10000	67.4	80.9		81.9	82.3		82.3		82.3	82.3	82.3	82.3	82.3		52.3	82.3
≥ 9000	67.4	81.0		82.0	1							1	82.4			82.4
≥ 8000	67.4	81.0	81.7	82.0	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4	82.4
≥ 7000	67.4	81.1	81.8	92.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	B2.5	82.5
≥ 6000	67.4	81.1	81.8	82.2	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5	82.5
≥ 5000	67.5	81.2	81.9	82.3	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
≥ 4500	67.7	81.4	82.2	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 4000	67.7	81.4	82.2	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.5
≥ 3500	67.7	81.5	82.3	82.6	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9	82.9
≥ 3000	67.8	81.9	82.7	83.0	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3	83.3
≥ 2500	62.8	83.2	84.0	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ 2000	70.1	85.1	85.8	86.1	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5	86.5
≥ 1800	70.4	85.6	86.3	86.7	87.0	87.D	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	37.0	87.0
≥ 1500	72.3	88.2	83.9	89.2	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6	89.6
≥ 1200	74.8	92.0	92.9	93.2	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ ,000	76.1	94.9	96.0	96.3	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7	96.7
≥ 900	76.3	95.4	96.5	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ 800	76.7	96.0	97.1	97.4	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
≥ 700	76.7	96.5	97.6	98.0	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 600	76.8	97.Q	98.2	98.5	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8	98.8
≥ 500	76.8	97.1	98.3	98.7	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0	99.0
≥ 400	76.8	97.1	98.4	98.8	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 300	76.8	97.1	98.5	99.0	99.6	99.6	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7	99.7
≥ 200	76.8	97.1	98.5	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9
> 100	76.8	97.1	98.5	99.1	99.7	99.7	99.8	99.8	99.8	99.8	99.9	99.9	99.9		100.0	100.0
≥ 0	76.8	97.1		99.1	99.7		99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9	100.0	00.0

930 TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS REITIONS OF THIS FORM ARE OPE

GLOFAL CLIMATOLOGY BRANCH UCAFETAC AT WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

722536

RANDOLPH AFB TX

STATION NAME

69-70,73-80

AUG

STATION

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3300-0500

CEILING							٧١S	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥ 21/:	≥ 2	≥ । %	≥11%	≥1	≥%	≥ %	≥ ٧:	≥ 5/16	≥ %	≥c
NO CEILING ≥ 20000	37.8 39.8	49.8 52.3			52.8 55.3			52.9 55.4	52.9 55.4		52.9 55.4	52.9 55.4	52.9 55.4	52.9 55.4		52.9 55.4
≥ 18000 ≥ 16000	39.9 40.0	1111			55.4 55.5			55.5 55.6	55.5 55.6			55.5 55.6		55.5 55.6	55.5 55.6	55.5 55.6
≥ 14000 ≥ :2000	40.4	52.9 54.3	54.4 55.8	55.8 57.2	55.9 57.3			56.1 57.6	56.1 57.6	56.1 57.6	56.1 57.6	56.1 57.6	56 • 1 57 • 6	56.1 57.6	56.1 57.6	56.1 57.6
≥ 10000	41.7	55.6 55.8			58.9 59.2			59.4 59.7	59.4 59.7	59.4 59.7	59.4 59.7	59.4 59.7	59.4 59.7	59.4 59.7	59.4 59.7	59.4 59.7
≥ 8000 ≥ 7000	42.0 42.3	56.1 56.5	57.8 58.2	59.6	59.6 59.9		59.8 60.1	60.0 60.3	60 • 0 60 • 3	60.0 60.3	60.0 60.3	60.3		60.0 60.3	60.0 60.3	
≥ 6000 ≥ 5000	42.4	56.6 56.6	58.3 58.3	59.7 59.7	60.1 60.1	60.2 60.2		60.5 60.5		60.5		60.5 60.5	60.5	60.5	60.5 60.5	60.5 60.5
≥ 4500 ≥ 4000		57.1 57.1	58.8				60.9		61.1	61.1	61.1	61.1	61.1 61.1	61.1 61.1	61.1	
≥ 3500 ≥ 3000		57.8	59.6		61.4	61.5	61.6	61.4	61.8	61.8	61.4	61.4	61.8		61.8	
≥ 2500 ≥ 2000	43.2 45.3	78.74		64.7	65.2	65.3				65.6	62.5 65.6		65.6		65.6	
≥ 1800		62.9		72.8	73.3	73.4	73.5	73.8	73.8	73.8		73.8	73.8	73.8	73.8	73.8
≥ 1200	54.5 57.3	82.0		85.9	80.4	86.8	87.0		87.2	87.2	80.9	87.2	87.2	80.9	87.2	87.2
≥ 900 ≥ 800	58.2 59.2	86.6			91.5		91.8		92.0	92.0				89.1 92.0	92.0	92.0
≥ 700 ≥ 600		90.2		94.6		95.7	95.9	96.1	96.1	96.1	94.5	96.1	94.5	96.1	96.1	96.1
≥ 500 ≥ 400	60.6		94.1	96.5	97.0 97.6	98.0	98.3	97.6 98.7	98.7	98.7	97.6 98.7	97.6	98.7	97.6	98.8	98.8
≥ 300 ≥ 200	60 • 6 60 • 6	91.3	94.2	96.6	98.0	98.3	98.6	99.1 99.1	99.4		99.2 99.5	99.5	99.6	99.2 99.7	99.8	
≥ '00 ≥ 0		91.3						99.1			99.5				100.0	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OBSC

GLUBAL CLIMATOLOGY BRANCH USAFETAC ALE MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

RANDOLPH AFB TX

69-70,73-80

AUG

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

J600-0800 HOURS (L.S.T.)

CEILING		-		_			VIS	B:L.TV ST	ATUTE MIL	ES						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥11/4	≥1	≥ ¾	≥ %	≥ ₩:	≥ 5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	22.5	35.5 38.1	37.7 40.5	40 · 1 42 · 9	41.2	41.9	42.2 45.1	42.3 45.2	42.4			43.1 46.2	43.2 46.3	43.2 46.3	43.2 46.3	43.2
≥ 18000 ≥ 16000	23.9 24.1	38.1 38.4	40.5 40.9	42.9 43.2	44.0		45 • 1 45 • 4	45.2 45.5	45.3 45.6		46.2 46.6	46.2 46.6	46.3 46.7	46.3	46.3 46.7	46.3 46.7
≥ 14000 ≥ 12000	24.6 25.7	39.5 41.5	42.0 44.1	44.4 46.5	45.5 47.5	46.3	46.6 48.6	46.7 48.7		49.6	47.7 49.8	47.7 49.8	47.8 49.9		47.8 49.9	49.9
≥ 10000 ≥ 9000	27.0 27.3	43.9	46.5			51.2	51.1 51.4		51.3 51.7	52.5	52.7		52.8			52.9
≥ 8000 ≥ 7000	27.8	44.7	47.3	50.2	51.3	52.2		52.5		53.4	53.7	53.2		53.8	53.3 53.8	53.8
≥ 6000 ≥ 5000	28.0 28.1	45.4	48.1		52.2	53.0		52.8	53.5	54.3	54.5	54.5				
≥ 4500 ≥ 4000	28.1	45.8 45.8	48.7	51.2	52.4	53.2		53.5	53.8	54.5		54.6	54.8			54.8
≥ 3500 ≥ 3000	28.1	45.9	48.8	51.6	52.5 52.8 54.1		53.9	54.0	54.2	54.9	54.8 55.2 56.5	54.8 55.2	55.3			55.3
≥ 2500 ≥ 2000 ≥ 1800	28.8 31.3	47.3 51.1 52.6	50.4 54.2 55.8	57.1	58.4	54.9 59.2	55.2 59.6	59.7	59.9	60.6	60.9	60.9	61.0		56.6 61.0	· · · ·
≥ 1500	37.3 4D.8	60.2	63.9	67.3		61.1 69.8 77.7	70.1 78.2	70.2	70.4	71.3	71.5	71.5		71.6		71.6
≥ 1000	42.5	71.3	76.1	80.0	82.3	83.1	83.7	83.8	84.1	84.9	85.2 87.1	85.2 87.1	85.3	85.3	85.3 87.2	85.3
≥ 800	43.7	74.3	79.9	84.1	86.7	87.5	88.1	88.3	88.6	89.5	89.7	89.7	89.8	89.8	89.8	89.8
≥ 600 ≥ 500	44.4	76.5	84.2	88.0	90.5		92.0		92.8	93.8		94.0	94.1	94.1	94.1 96.0	94.1 96.0
≥ 400 ≥ 300	44.4	77.4	84.5			94.4	94.8		96.0 97.0		97.4 98.6	97.4	97.5 98.7	97.5 98.8	97.5 98.8	
≥ 200	44.4	77.4		89.9	93.3	94.4	95.3	96.3	97.1	98.5		1 7 7		99.5	100.0	
≥ 0	44.4	77.4	84.6	89.9	93.3	94.4	95.3	96.3	97.1	98.5	98.9	98.9	99.2	99.5	100.0	100.0

TOTAL NUMBER OF OBSERVATIONS ______930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLORAL CLIMATOLOGY BRANCH USAFETAC ATT REATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

122536

RANDOLPH AFB TX

69-70,73-80

AUS

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3900-1100

						VIS	B:LITY ST	ATUTE MIL	ES						Ì
≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ 4:	≥ 5/16	≥ ¼	≥0
49.7	60.3	61.1	61.5 68.0	61.5	61.5			61.5 68.0	61.5 68.0	61.5 68.0	61.5 68.0	61.5 68.0	61.5 68.0	61.5 68.0	61.5 68.0
53.3	67.2	68.0	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
54.2	68.5	69.2	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7	69.7
57.0	73.5	74.4	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8	74.8
58.0	74.8	75.7	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1	76.1
58.0	75.2	76.D	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5	76.5
58.1	75.4	76.2	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7	76.7
59.4	77.1	78.2	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7 81.3
64.0	83.8	84.8	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
66.9	88.7	89.8	90.6	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9	90.9
69.2	93.8	95.4	96.5	96.8	96.8	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9	96.9 98.3
69.7	95.2	96.9	98.0	98.3	98.3	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6
69.8	95.6	97.5	98.7	99.1	99.1	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
69.8	95.7	97.6	98 - 8	99.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	00.0	0.00
69.8	95.7	97.6	98.8	99.5	99.5	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	00.0	00.0
	53.1 53.3 53.5 54.2 56.2 57.0 58.0 58.0 58.0 58.0 58.0 58.0 69.5 64.0 66.1 66.9 69.8 69.8 69.8 69.8 69.8 69.8 69.8	53.1 66.8 53.3 67.2 53.5 67.7 54.2 68.5 56.2 71.2 57.0 73.5 57.1 73.9 58.0 75.2 58.0 75.2 58.0 75.2 58.0 75.2 58.1 75.4 58.5 75.9 59.4 77.1 61.5 79.7 64.0 83.8 66.1 87.3 66.9 83.7 68.6 91.8 69.2 93.8 69.2 93.8 69.2 93.8 69.5 94.8 69.5 94.8 69.5 94.8 69.6 95.6 69.8 95.6	53.1 66.8 67.5 53.3 67.2 68.0 53.5 67.7 68.5 54.2 68.5 69.2 56.2 71.2 71.9 57.0 73.5 74.4 57.1 73.9 74.7 58.0 75.2 76.0 58.0 75.2 76.0 58.0 75.2 76.0 58.1 75.2 76.0 58.1 75.2 76.0 58.1 75.2 76.0 58.1 75.2 76.0 58.1 75.2 76.0 69.8 95.7 97.0 69.8 95.5 97.3 69.8 95.6 97.5 69.8 95.6 97.5 69.8 95.7 97.6 69.8 95.7 97.6 69.8 95.7 97.6	53.1         66.8         67.5         68.0           53.3         67.2         68.0         68.4           53.5         67.7         68.5         68.9           54.2         68.5         69.2         69.7           56.2         71.2         71.9         72.4           57.0         73.5         74.4         74.8           57.1         73.9         74.7         75.2           58.0         75.2         76.0         76.5           58.0         75.2         76.0         76.5           58.0         75.2         76.0         76.5           58.0         75.2         76.0         76.5           58.0         75.2         76.0         76.5           58.0         75.2         76.0         76.5           58.0         75.2         76.0         76.5           58.1         75.4         76.2         76.5           58.5         75.9         77.0         77.5           58.5         75.9         77.0         77.5           59.4         77.1         78.2         78.7           61.5         79.7         80.8         85.7	53.1         66.8         67.5         68.0         68.0           53.3         67.2         68.0         68.4         68.4           53.5         67.7         68.5         68.9         68.9         68.9           54.2         68.5         69.2         69.7         69.7         59.7           56.2         71.2         71.9         72.4         72.4           57.0         73.5         74.4         74.8         74.8           57.1         73.9         74.7         75.2         75.2           58.0         74.8         75.7         76.1         76.1           58.0         75.2         76.0         76.5         76.5           58.0         75.2         76.0         76.5         76.5           58.0         75.2         76.0         76.5         76.5           58.0         75.2         76.0         76.5         76.5           58.0         75.2         76.0         76.5         76.5           58.1         75.4         76.2         76.7         76.5           58.1         75.4         76.2         76.7         76.5           58.5         75.9	53.1       66.8       67.5       68.0       68.0       68.4       68.4       68.4         53.3       67.2       68.5       68.9       68.9       68.9       68.9       68.9         53.5       67.7       68.5       68.9       68.9       68.9       68.9         54.2       68.5       69.2       69.7       69.7       69.7       69.7         56.2       71.2       71.9       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4 <td< th=""><th>53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5</th><th>53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4</th><th>53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       72.4       72.4       72.4       72.4       72.4       72.4       72.4</th><th>53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       76.7       76.7</th><th>53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.6       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9</th><th>53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0</th><th>53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9</th><th>53.1 66.8 67.5 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0</th><th>53.1 66.8 67.5 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0</th></td<>	53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5       76.5	53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4       72.4	53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       72.4       72.4       72.4       72.4       72.4       72.4       72.4	53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       76.7       76.7	53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.6       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9	53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0	53.1       66.8       67.5       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.0       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.4       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9       68.9	53.1 66.8 67.5 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0	53.1 66.8 67.5 68.0 68.0 68.0 68.0 68.0 68.0 68.0 68.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC	FORM	0-14-5 (OL A)	PREVIOUS EDITIONS OF THIS FORM ARE DESOLE
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GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR HEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AU5

STATION STATION NA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.S.T.)

CEILING	1						vi\$	BILITY ST	ATUTE MILI	ES						
(FEET)	≥ 10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥%	≥%	≥ ⊬:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	60 • 1 71 • 2	66.6 78.4		67.1 78.9	67.1	67.1 78.9	67.1	67.1 78.9	67.1	67.1 78.9	67.1 78.9	67.1 78.9	67.1 78.9	67.1 78.9	67.1 78.9	67.1
≥ 18000 ≥ 16000	71.4	78.8 79.5	79.4 80.0	79.4 80.0	79.4 80.0	79.4 80.0	79.4 80.0	79.4 80.0	79.4 80.0	79.4	79.4 80.0	79.4 80.0	79.4 80.0	79.4 80.0	79.4 80.0	79.4 80.0
≥ 14000 ≥ 12000	73.3 75.4	81.3	81.8	81.8 84.D	81.8 84.0	81.8 84.0	81.8 84.0	81.8 84.0	81.8	81.8 84.0	81.8 84.0	81.8	81.8 84.0	81.8 84.0	81.8 84.0	81.8 84.0
≥ 10000 ≥ 9000	76.9 76.9	86.0 86.0	86.6 86.6	86.6 86.6	86.6	86.6	86.6 86.6	86.6	86.6 86.6	86.6	86.6	86.6 86.6	86.6	86.6	86.6	86.6 86.6
≥ 8000 ≥ 7000	77.2 77.2	87.D 87.5	87.7 88.3	87.7 88.3	87.7 88.3	87.7 88.3	87.7	87.7 88.3	87.7	87.7 88.3	87.7 88.3	87.7 88.3	87.7 88.3	87.7 88.3	87.7 88.3	87.7 88.3
≥ 6000 ≥ 5000	77.5			88.6 88.7	88.6 88.7	88.6 88.7	88.6 88.7	88.6 88.7	88.6 88.7	88.6 88.7	88.6 88.7	88.6 88.7	88.6 88.7	88.6	88.6 88.7	88.6
≥ 4500 ≥ 4000	78.5 79.6	89.2 90.4		90 • 1 91 • 4	90.1	90.1 91.4	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5	90.2 91.5
≥ 3500 ≥ 3000	82.6 84.0	93.8 95.6	96.5	94.8		94.8	94.9		94.9	96.8	94.9 96.8			94.9 96.8	94.9 96.8	94.9
≥ 2500 ≥ 2000	85.1 85.4	97.2 97.5	98.5	98.4 98.7	98.5 98.8		98.6	98.6	98.6 99.0	98.6 99.0	99.0	98.6 99.0			98.6 99.0	
≥ 1800 ≥ 1500	85.4 85.4	97.5 97.5	98.5	98.7 98.8	98.8	98.8	98.9 99.1	99.0	99.0	99.2	99.0	99.2	99.2	99.2	99.0	99.2
≥ 1200 ≥ 1000	85.5 85.5	97.6		98.9	99.0	99.2	99.2	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 900 ≥ 800	85.5 85.5	97.6	98.8	99.1 99.2	99.4		99.6	99.7	99.7	99.7	99.7	99.7 99.8	99.7 99.8	99.7 99.8	99.7	99.7
≥ 700 ≥ 600	85.5 85.5	97.7 97.7 97.7	98.8	99.2 99.2	99.4	99.4	99.7 99.7	99.8	99.8	99.8 99.9	99.8 99.9	99.9	99.9	99.9	99.8 99.9	99.8
≥ 500 ≥ 400	85.5 85.5	97.7	98.8 98.8	99.2	99.4	99.4	99.7	99.9		100.0		100.0	100.0	100.0	100.0	00.0
≥ 300 ≥ 200 > 100	85.5 85.5	97.7	98.8	99.Z	99.4	99.4	99.7	99.9	99.9		100.0	100.0	100.0	00.0	100.0	
≥ 100	85.5	97.7	98.8	99.2	99.4	99.4	99.7	99.9		100.0						F 1

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIF HEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

AUG

FATION STATION NA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1530-1703 HOURS (LS.T.)

CEILING				-			vis	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 %	≥ 2	≥+%	≥11%	≥1	≥ %	≥%	≥ ٧:	≥ 5/16	≥ ¼	≥0
NO CEILING	61.4	66.1	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5	66.5
≥ 20000	75.9	81.8	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	82.2	02.2	82.2
≥ 18000	76.5	82.5	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 16000	77.0	33.1	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4	83.4
≥ 14000	77.8	84.3	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6	84.6
≥ :2000	81.1	88.2	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5
≥ 10000	83.1	91.0	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3	91.3
≥ 9000	63.3	91.4	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7	91.7
≥ 8000	ė3.5	92.3	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 7000	84.1	93.3	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7	93.7
≥ 6000	84.2	93.4	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8	93.8
≥ 5000	84.3	93.8	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1	94.1
≥ 4500	84.6	94.3	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.6
≥ 4000	85.9	95.8	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 3500	87.4	97.5	98.0	98.0	98.0	98.0	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 3000	88.0	98.4	98.8	98.8	98.8	98.8	99.0	99.0	99.0	99.0	99.0	99.0	99.1	99.1	99.1	99.1
≥ 2500	88.3	98.8	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 2000	88.3	98.8	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 1800	88.3	98.8	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 1500	88.3	98.8	99.2	99.4	99.4	99.4	99.6	99.6	99.6	99.6	99.6	99.6	99.7	99.7	99.7	99.7
≥ 1200	88.3	98.8	99.2	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ .000	88.3	98.8	99.2	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 900	88.3	98.8	99.2	99.6	99.6	99.6	99.8	99.8	99.8	99.8	99.8	99.8	99.9	99.9	99.9	99.9
≥ 800	88.3	98.9	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	0.00	00.0	100.0	100.0
≥ 700	88.3	98.9	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	00.0	100.0	00.0
≥ 600	88.3	98.9	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	00.0	100.0	00.0
≥ 500	88.3	98.9	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	00.0	100.0
≥ 400	88.3	98.9	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	00.0
≥ 300	88.3	98.9	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	0.00	00.0
≥ 200	88.3	98.9	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 100	88.3	98.9			99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
≥ 0	88.3	98.9	99.4	99.7	99.7	99.7	99.9	99.9	99.9	99.9	99.9	99.9	100.0	00.0	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ORSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATA MEATHER SERVICE/MAC

#### **CEILING VERSUS VISIBILITY**

122536

RANDOLPH AFB TX

69-70,73-80

AUG

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2000 HOURS (LS.T.)

CEILING (FEET)							۷IS	BILITY ST.	ATUTE MIL	ES						
	≥:0	≥6	≥ 5	≥4	≥ 3	≥21⁄.	≥ 2	≥1%	≥1%	≥.	≥ %	≥ %	≥ 4:	≥ 5/16	≥ 4	≥0
NO CEILING ≥ 20000	64 • 6 80 • 3	69.6 86.2		7 1 7 2	69.6 86.3	- T : ' L		69.6 86.3	I		69.6 86.3	69.6 86.3	69.6 86.3	69.6 86.3	69.6 86.3	69.6 86.3
5 ,9000 5 18000	80.8 81.1	87.0 87.3			87.1 87.4		87.1 87.4	87.1 87.4	87.1 87.4		87.1 87.4	87.1 87.4	87.1	87.1 87.4	87.1 87.4	87.1 87.4
≥ 14000 ≥ 12000	84.3	98.7	88.8		88.9 91.8		88.9 91.8	88.9 91.8		[ ]	88.9 91.8	88.9	88.9	88.9	88.9	88.9
≥ 10000 ≤	86.7 86.7	94.5	94.6	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.7	94.8	94.8
≥ 8000 ≥ 7000	86.9	94.8	95.1	95.2	95.2	95.2	95.2		95.2	95.2	95.2 95.8	95.2	95.2	95.2	95.3	95.3
≥ 6000 ≥ 5000	87.4	95.5	95.7	95.8	95.8	95.8	95.8	95.8	95.8	95.8		95.8	95.8	95.8	95.9	95.9
≥ 4500 ≥ 4000	88.1	96.6	96.8	96.9	96.9	96.9		96.9 98.4	96.9	96.9	96.9 98.4	96.9		96.9	97.0	97.0
≥ 3500 ≥ 3000	89.4	98.0	98.3 98.6		98.5 98.8			98.5		98.5	98.5 98.8	98.5		98.5	98.6	98.6
≥ 2500 ≥ 2000	89.7	98.6 98.6	98.9		99.4			99.4	99.4		99.4	99.4		99.4	99.5	99.5
≥ 1800 ≥ 1500	89.7	98.6 98.7	98.9 99.1	99.4	99.6			99.6	99.6		99.6	99.6		99.6	99.7	99.7
≥ 1200 ≥ 1000	89.8	98.7 98.7	99.1	99.6 99.6	99.8	- , , ,		99.8	99.8		99.8	99.8	99.8	99.8	99.9	
≥ 900 ≥ 800	89.8 89.8	98.7 98.7	99.1 99.1	99.6	99.8						99.9	99.9	99.9	99.9	100.0	100.0
≥ 700 ≥ 600	89.8	98.7	99.1	99.6	99.8						99.9	99.9	99.9	99.9	100.0	00.0
≥ 500 ≥ 400	89.8	98.7 98.7	99.1	99.6	99.8				99.8		99.9	99.9	99.9	99.9	00.0	100.0
≥ 300 ≥ 200	89.8	98.7 98.7	99.1	-	99.8	99.8		99.8	99.8		99.9	99.9		99.9	100.0	100.0
≥ 100 ≥ 0	89.8 89.8	98.7 98.7	99.1 99.1	99.6	99.8				99.8	99.8	99.9				100.0	

TOTAL NUMBER OF OBSERVATIONS ______93

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE ODSQLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

(FROM HOURLY OBSERVATIONS)

600

500 400

300 ≥

2 200 87.3 98.4

87.4

PERCENTAGE FREQUENCY OF OCCURRENCE

2100-2300

VISIBILITY STATUTE MILES CEILING (FEET) ≥21/. ≥1% ≥ 5/16 ≥+% NO CEIUNG 75.5 82.5 82.6 82.7 ≥ 20000 ≥ 18000 > 16000 ≥ :2000 ≥ 10000 ≥ 9000

≥ 8000 ≥ 7000 6000 > > 4500 3500 3000 ≥ 2500 ≥ 2000 ≥ 1800 ≥ 1500 ≥ 1200 ≥ 1000 900 700 >

<u> 98.5| 99.2| 99.6| 99.7| 99.7| 99.7| 99.7| 99.7| 99.7| 99.7| 99.7| 99.7| 99.7| 99.7| 99.7| 99.7| 99.7</u>

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSO

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### **CEILING VERSUS VISIBILITY**

722536

RANDOLPH AFB TX

69-70,73-80

AUG

<u>></u> 800

2 300

600

400

200

100

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

VISIBILITY STATUTE MILES CEILING IFEE's > 24 ≥1% ≥1% NO CEILING 71.9 72.5 72.7 72.8 72.8 72.9 72.9 73.0 73.0 73.0 73.0 73.0 73.0 73.0 71.2 > 18000 71.5 72.3 72.9 73.1 73.2 73.2 73.2 73.2 73.3 73.3 73.3 73.4 73.4 73.4 73.4 ≥ 16000 71.9 72.7 73.3 73.5 73.6 73.6 73.6 73.6 73.7 73.8 73.8 73.8 73.0 73.8 74.4 74.5 74.7 74.7 74.7 74.7 74.8 74.9 74.9 74.9 75.3 76.1 76.7 76.8 77.0 77.0 77.0 77.0 77.1 77.2 77.2 77.2 ≥ 14000 74.9 74.9 74.9 ≥ :2006 77.2 77.2 77.2 00001 ≤ 55.6 77.4 78.3 78.9 79.1 79.2 79.3 79.3 79.4 79.5 79.5 79.5 79.5 79.5 79.5 65.9 78.1 79.1 79.7 66.2 78.5 79.5 80.1 79.9 80.0 80.0 80.1 80.1 80.2 80.2 80.2 80.2 80.2 80.3 80.3 80.3 80.4 80.5 80.5 80.6 80.6 80.7 80.7 80.7 80.7 80.7 80.7 80.7 ≥ 8000 ≥ 7000 > 5000 ≥ > 4000 ≥ 3500 ≥ 3000 ≥ 2500 ≥ 2000 ≥ 1800 ≥ 1500 72.4 87.7 89.0 89.9 90.3 90.4 90.5 90.6 90.6 90.7 90.7 90.7 90.8 90.8 90.8 90.8 ≥ 1200 ≥ 1000

96.5 97.8 98.7 98.8 99.1 99.3 99.5 99.7 99.7 99.8 99.8 99.8 99.9 99.9 97.8 98.7 98.8 99.1 99.3 99.5 99.7 99.8 99.8 99.8 99.9100.0100.0 97.8 98.7 98.8 99.1 99.3 99.5 99.7 99.8 99.8 99.8 99.9100.0100.0

TOTAL NUMBER OF OBSERVATIONS _

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETS

96.5

96.5

94.3

94.4

94.4

94.4

75.3

94.4 96.4 94.4

GLOBAL CLIMATOLOGY BRANCH STATETAC AL MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

702536

PANDOLPH AFB TX

69-70,73-80

SEP

MONTH

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200 Hours (La.t.)

CEILING		_					VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 ½	≥ 2	≥ ι %	≥1%	≥1	≥ ¾	≥ %	≥ ⊬:	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	47.9 49.7	59.3 62.1		60.1	60.4 63.3	60.4	60.6 63.7	60.6 63.7			60.7 63.8	60.7 63.8	60.7 63.8	60.7 63.8	60.7 63.8	60.7 63.8
≥ 18000 ≥ 18000	49.7 5:3.1	62.7	63.4 64.0	63.6	63.9	63.9	64.2 64.8	64.2 64.8		64.3	64.3 64.9	64.3 64.9	64.3 64.9	64.3 64.9	64.3	
≥ 14000 ≥ 12000	50.9 51.3	64.2 65.1		65.1 66.0	65.4	65.4 66.3	65.8 66.7	65.8 66.7		65.9 66.8	65.9 66.8	65.9 66.8	65.9 66.8	65.9 66.8	65.9 66.8	1
≥ 9000 ≥ 10000	52.2 52.4	67.1 67.8	7 . 7 .	68.3 69.0	68.7 69.3	68.7 69.3		69.7		69.1 69.8	69.1 69.8	69.1 69.8	69.1 69.8	69.1 69.8	69.1 69.8	
≥ 8000 ≥ 7000		68.8	69.9		70.3	70.3	70.7	70.7	70.8	70.8	70.8			70.4		
≥ 6000 ≥ 5000		69.4	70.6		71.1	71.1	71.4		71.6	71.6	71.6	71.6	71.6	71.6		71.6
≥ 4500 ≥ 4000	54.2	70.8	71.9	72.0	72.4	72.4	72.8	72.4	72.9		72.9	72.9	72.9		72.9	
≥ 3500 ≥ 3000	55.4		73.6	73.8	74.4	74.4	74.8	73.2	74.9	74.9	74.9	74.9	74.9	73.3 74.9	74.9	74.9
≥ 2500 ≥ 2000	56.0 56.7	74.1	75.2	75.4	76.2	76.2	76.6	76.6	76.7	76.7	75.7 76.7	76.7	76.7		76.7	76.7
≥ 1800	57.2	77.3	78.4	78.8	76.8	79.6	80.0		80.1	80.1	77.2 80.1 83.9	77.2 80.1 83.9	80.1	77.2 80.1 83.9	80.1 83.9	
≥ 1200 ≥ 1000 ≥ 900	61.3 63.9	81.0 84.7 86.1	85.8		83.3 87.0	87.0	87.6	87.6		87.7	87.7	87.7 89.4	87.7	87.7 89.4		87.7
≥ 800	65.6	88.3	89.6			91.6	92.1	92.1 94.1	92.2	92.2	92.2 94.2	92.2	92.2	92.2	92.2	92.2
≥ 600	66.3	91.2	93.1	94.1	95.9 97.1	95.9		96.7	96.8	96.8			96.8			
≥ 400	66.4	92.7	94.8	96.0	98.0 98.3	98.0		99.2	99.3	99.3		99.3	99.3			99.3
≥ 100	66.4	92.7	94.9		98.4	98.6	99.9			100.0					Ī	
≥ 0	66.4	92.7	94.9	96.2	98.4	98.6	99.9	99.9	100.0	100.0	100.0	100.0	100.0	00.0	100.0	100.0

900 TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC JUL 04 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OF

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

7725<u>36</u>

RANDOLPH AFB TX

69-70,73-80

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING							VIS	BILLTY ST	ATUTE MILI	ES						1
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥%	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	33.6	42.7	1	43.5		44.0	44.3	44.3	44.3	44.4	44.4	44.4	44.6	44.6	44.6	44.6
	34.4				46.2		46.6							46.9		
≥ 18000	34.4	44.5	1	45.4		46.5	46.7	46.7	46.7	46.8	46.8	46.5		47.1	47.1 47.2	47.1
<b> </b>	34 - 4	44.6				46.6	46.8		47.6	47.7			47.9	47.9	47.9	
≥ 14000	34.9 35.6	45.4	46.2	46.3	47.2		47.6 48.9						49.3			
> 10000	36.0	47.9		48.9			50.3		50.3	50.4		50.4	50.6	50.6	50.6	50.6
≥ 9000	36.2	48.2	1	49.2			50.5			50.6						50.8
> 8000	36.5	48.8		49.8		50.9	51.2		51.2	51.3		51.4	51.6	51.6	51.6	51.6
≥ 7000	36.7	49.2		50.2		1 7 7 1	51.5						51.9			51.9
> 6000	36.9	49.4		50.5		51.6	51.8			51.9		52.1		52.3	52.3	
≥ 5000	37.0	49.8				52.1	52.3		52.3				1 1		52.7	. 1
≥ 4500	37.2	50.2		51.3		52.4	52.6				52.8	52.8		53.1	53.1	53.1
≥ 4000	37.4	50.5	51.5	51.6	52.5	52.7	52.9	52.9	52.9	53.1	53.2	53.2	53.4	53.4	53.4	53.4
≥ 3500	37.5	51.2	52.2	52.3	53.2	53.4	\$3.6	53.6	53.6	53.7	53.8	53.8	54.1	54.1	54.1	54.1
≥ 3000	38.2	51.8	53.2	53.3	54.2	54.4	54.6	54.7	54.7	54.8	54.9	54.9	55.2	55.2	55.2	55.2
≥ 2500	38.7	52.4	53.9	54.3	55.2	55.4	55.6	55.8	55.8	56.0	56.1	56.1	56.3	56.3	56.3	56.3
> 2000	40.2	54.9	56.7	57.3	58.2	58.4	58.6	59.0	59.0	59.1	59.2	59.2	59.4	59.4	59.4	59.4
≥ 1800	40.7	56.2	58.0	58.5	59.4	59.6	59.8	60.2	60.2	60.3	60.4	60.4	60.6	60.6	60.6	60.6
≥ 1500	43.5	60.7	62.5	63.3	64.4	64.6	65.0	65.3	65.3	65.4	65.5	65.5	65.7	65.7	65.7	65.7
≥ 1200	45.4	65.6	67.7	68.7	69.9	70.1	70.5	70.9	70.9	71.0	71.1	71.1	71.3	71.3	71.3	71.3
≥ .000	47.7					75.2										76.6
≥ 900	48.4							79.6	-	1		79.9		80.1	80.1	80.1
≥ 800	50.3	77.5			83.2			84.9		85.0		85.1		85.3		85.3
≥ 700	51.5		1	85.Q		1		88.0		1 1				88.5	88.5	1
≥ 600	51.8			87.8			90.3						91.4			
≥ 500 ≥ 400	52.1	84.3	: - :			92.1				94.1						1 1
<b></b>	52.2	85.1	88.9		93.9					96.4					97.2	
≥ 300	52.2	85.3	89.3	92.0			96.2		97.4			98.1	99.0			99.1
	52.2	85.3	89.3		94.8				97.7							
≥ 100	52.2		89.3		94.8				97.7					99.6		
L	52.2	85.3	89.3	92.0	94.8	95.0	96.4	97.6	7/0/	98.2	98.6	98.6	99.6	99.7	77.8	100.0

TOTAL NUMBER OF OBSERVATIONS ___

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATE JEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

7225<u>36</u>

RANDOLPH AFB TX

69-70,73-80

SEP

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600-0800

CEILING							VIS	BILITY ST.	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/.	≥ 2	≥+%	≥11/4	≥1	≥ ¼	≥%	≥ ⊬:	≥ 5/16	≥ %	≥¢
NO CEILING ≥ 20000	20.6		36.4 39.7	38.3	39.1	39.2	39.3	39.8	39.8	39.9 43.4	39.9	39.9 43.4	39.9	39.9	40.0 43.6	
≥ 18000 ≥ '6000	22.0	37.1	39.7	41.8	42.9	43.0	43.1	43.6	43.6	43.7	43.7	43.7	43.7	43.7	43.8	44.0
≥ 14000 ≥ :2000	22.4	38.1	39.8 41.0	43.1	44.2	44.4	44.6	45.0	45.0	43.8	45.1	43.8	45.1	45.1	45.2	45.4
≥ 10000	23.7	39.3 40.9		44.4 46.0		45.9	46.0 47.8		46.6	46.7	48.6	46.7	46.7	46.7	46.8	47.0
≥ 9000 ≥ 8000	23.3		43.9		47.4	47.7	47.9 48.9		48.6 49.6	48.7			48.7 49.7	48.7	48.8	49.0 50.0
≥ 7000	24.2		45.2 45.2			49.0	49.2		49.9 50.1	50.0 50.2			50.0 50.2			50.3 50.6
≥ 5000 ≥ 4500	1 1	42.4	45.6	47.9		49.7	50.0	50.7	50.8	50.9 51.4	50.9	50.9		50.9	51.0	
≥ 4000	24.7	43.1	46.2	48.6	50.1	50.3	50.7	51.3	51.4	51.6	51.6	51.6	51.6	51.6	51.7	51.9
≥ 3500 ≥ 3000	24.9 25.3	44.6	47.8	50 . 1	51.7	51.9	52.2	52.9	53.0	52.1 53.1	53.1	53.1			53.2	
≥ 2500 ≥ 2000	26.7 28.4		50.0 53.6		54. 57.9	54.2 58.1	54 • 6 58 • 4	55.2 59.1		55.6 59.4		55.6 59.4	55.6 59.4		55.7 59.6	
≥ 1800 ≥ 1500	28.7 31.0						59.8 65.2			60.8			60 • 8 66 • 2			61.1
≥ 1200 ≥ 1000	33 • 1 34 • 7		• • • •	67.4 70.4	69.7		70.6 74.0		71.3		71.6 75.2		71.6 75.6			72.0
≥ 900 ≥ 800	35.6 35.9	64.6	69.3	72.9		75.8	76.7		77.6	77.8 81.1	77.9 81.6		78.2		78.4	
≥ 700 ≥ 600	36.6	68.2	73.9	77.8 80.3	81.2	81.4	82.4	83.3	83.4	83.9	84.4	84.4	84.8	84.8	85.0	85.2 88.9
≥ 500 ≥ 400	36.6	71.1	77.9 78.2	82.8	87.D	87.7 88.8	89.0 90.7	90.2	90.6	91.2 93.1	91.8	91.8	92.1 94.2	92.1	92.3	92.6
≥ 300 ≥ 200	36.6	71.3	78.4	83.8	88.4	89.3	91.2	93.3	93.8	94.8	95.9	95.9	96.6	96.8	97.2	97.8
> 100	36.6	71.3			88.6	89.4	91.3	93.6	94.D	95.2 95.2	96.3	96.3		97.7	98.4	99.7
≥ 0	36.6	71.3	78.4	83.9	88.6	89.4	91.3	93.6	94.0	95.2	96.3	96.3	97.1	97.7	98.4	100.0

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

722536

HANDOLPH AFB TX

69-70,73-80

SEP

STATION STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

U900-1100

CEILING							v1\$	BILITY ST.	ATUTE MILI	ES	-					
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥ ≀ %:	≥1%	≥1	≥ ¾	≥ %	≥ %.	≥ 5/16	≥ %	≥0
NO CEILING	37.9	49.4	49.8	50.3	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4	50.4
≥ 20000	43.4	55.7	56.0	56.7					56.8	56.8	56.8		56.8	7 7 7 7		56.8
≥ 18000	43.3	56.1	56.4	57.1	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2	57.2
≥ .9000	43.3	56.4	56.8				57.6		57.6	57.6	57.6		57.6	57.6	57.5	57.6
≥ 14000	44.4	57.9	58.3	59.0	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1	59.1
≥ 12006	45.3	60.0	<del></del>	61.1	61.2	61.2	61.2		61.2	61.2	61.2		61.2	61.2	61.2	61.2
≥ 10000	46.9	62.0	62.6	63.2		63.3	63.3	63.3	63.3	63.3	63.3		63.3	63.3	63.3	63.3
≥ 9000	47.2	62.3	<del></del>	63.6		63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7	63.7
≥ 8000	47.8	63.3	•••	64.7		64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8	64.8
≥ 7000	48.8	64.3	65.D	65.9	66.0	66.0	66.0	66.0	66.D	66.0	66.5	66.0	66.0	66.0	66.D	66.C
≥ 6000	48.8	64.4	65 • 1	66.0	66.1	66.2	66 • 2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2	66.2
≥ 5000	48.8	64.8	65.4	66.4	66.7	66.8	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9	66.9
≥ 4500	48.9	65.1	65.8	66.8	67.0	67.1	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2	67.2
≥ 4000	49.3	65.8	66.4	67.4	67.7	67.8	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9	67.9
≥ 3500	49.7	66.6	67.2	68.2	68.4	68.6	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7	68.7
≥ 3000	51.1	68.9	69.6	70.6	70.8	70.9	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0	71.0
≥ 2500	52.8	72.6	73.7	74.8	75.0	75.1	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2	75.2
≥ 2000	55.7	77.4	78.7	80.1	80.3	80.4	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6	80.6
≥ √800	56.1	78.6	79.8	81.2	81.4	81.6	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7	81.7
≥ 1500	58.1	82.2	83.9	85.6	86.0	86.1	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2	86.2
≥ 1200	59.1	85.4	87.2	89.0	89.4	89.6	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ ,000	61.0	88.7	90.6	92.6	93.4	93.7	93.9	93.9	93.9	94.0	94.0	94.0	94.0	94.0	94.0	94.0
≥ 900	61.2	89.1	91.0	93.0	94.0	94.2	94.6	94.6	94.6	94.8	94.8	94.8	94.8	94.8	94.8	94.8
≥ 800	61.6	90.1	92.0	94.2	95.2	95.6	96.1	96.1	96.1	96.3	96.3	96.3	96.3	96.3	96.3	96.3
≥ 700	61.7	90.6	92.7	95.0	96.0	96.3	97.0	97.0	97.0	97.2	97.2	97.2	97.2	97.2	97.2	97.2
≥ 600	61.8	91.2	93.3	95.8	97.0	97.3	98.0	98.1	98.1	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 500	61.8	91.4	93.7	96.3	97.6	98.1	98.8	99.0	99.0	99.4	99.4	99.4	99.4	99.4	99.4	99.4
≥ 400	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 300	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 200	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 100	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0	100.0
≥ 0	61.8	91.4	93.7	96.3	97.6	98.1	99.0	99.4	99.4	99.9	99.9	99.9	99.9	100.0	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1238-1493 Hours (L.s.T.)

CEIUNG							٧١S	B.L.TY ST	ATUTE MIL	<b>E</b> 5						
(FEET)	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥ 2 %.	≥ 2	≥:%	≥1%	21	≥ %	≥ %	≥ %	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	51.1	58.3	1	58 • 8 67 • 2	59.D	-					59.0 67.4	59.0 67.4	59.0 67.4	59.0 67.4	59.0 67.4	
≥ 18000 ≥ 2006	55.3		67.3		67.6	67.6		67.6	67.6	67.6	67.6	67.6 68.0	67.6	67.6 68.0	67.6	57.6
≥ 14000 ≥ 12000	50.3	69.7	70.2	70.2 73.3	70.4	70.4	70.4	70.4	70.4	70.4	70.4 73.6	70.4	70.4	70.4	70.4	70.4
5 0006 ₹ 0000. ₹	65.0 65.1	75.4	76.D	76.0	76.2	76.2	76.2	76.2	76.2	76.2		76.2	76.2	76.2	76.2	76.2
≥ 8000 ≥ 7000	65.6	76.6	77.1	77.1 78.9	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3	77.3		77.3	77.3
≥ 6000 ≥ 5000	67.2	79.0		79.6 80.1	70.8		79.8	79.8	79.8		79.8	79.8	79.8	79.8 80.3	79.8 80.3	
≥ 4500 ≥ 4000	67.6	79.8	87.4	85.4 81.4	80.7	80.7	80.8		30.8 81.8		80.8 81.8	80.8	80.8 81.8			1
≥ 3500 ≥ 3000	79•7 72•8	83.8 86.4	84.6 87.3		84.9 87.7					85.D 87.9	85.0 87.9	85.0 87.9				85.0 87.9
≥ 2500 ≥ 2000	75.7 76.6			91.9 93.1	92.2 93.4	92.2 93.4						92.4 93.7		92.4 93.7	92.4 93.7	92.4
≥ 1800 ≥ 1500	76.6 77.8			93 • 2 95 • 6	93.6 95.9			96.2	96.2	96.2	96.2	96.2	96.2	96.2		96.2
≥ 1200 ≥ 1000	78.4 73.7	95.8		97 • 3 97 • 8		98.2	98.6	98.6	98.6		98.6		98.6	98.6	98.6	98.6
≥ 900 ≥ 800	78.7 78.7	- 1		98 • 1 98 • 1	98.6	98.6		98.9		98.9	98.9		98.9	98.9		98.9 98.9
≥ 700 ≥ 600	78.7 78.9	96.3	97.7 98.0	98.4	98.9	98.9	99.2	99.2	99.2	99.2	98.9 99.2	99.2	99.2	99.2		99.2
≥ 500 ≥ 400	78.9 78.9	96.4	98.1		99.0	99.0		99.8	99.9	99.9	99.7	99.9	99.9	99.9	99.9	99.9
≥ 300 ≥ 200	78.9 78.9	96.4	98.1	98.6	99.0	99.0	99.3	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	
≥ 100 ≥ 0			98.1 98.1													100.0

TOTAL NUMBER OF OBSERVATIONS ______900

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

GLOPAL CLIMATOLOGY BRANCH USAFETAC AIT WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

FANDOLPH AFB TX

69-70,73-80

SEP

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE

1500-1700 HOURE (LIST.)

(FROM HOURLY OBSERVATIONS)

						,										
CEILNG							VIS	BILITY ST.	ATUTE MIL	E\$						
(FEET)	<b>3</b> ∶0	≥ 6	≥5	≥ 4	≥ 3	≥21/.	≥ 2	≥ ; %	≥1%	≥1	≥ ¼	≥%	≥ ٧:	≥ 5/16	≥ 4	20
NO CEILING ≥ 20000	55 • 2 65 • 4	60.4	60.8 72.6	61.1		61.1					61.1	61.1	61.1			
≥ 18000	66.1	72.9	73.2	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
≥ 14000 ≥ 12000	66.6 68.3	75.7	76.1	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4	76.4
≥ 19000 ≥ 9900	70.3 72.3	81.9	82.3	79.6 82.7	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8	82.8
≥ 8000	73.4	82.2	83.8	83.0	84.2	84.2	33.1 84.2	84.2	84.2		33.1 84.2	83.1	83.1 84.2	84.2	83.1 54.2	84.2
≥ 7000 ≥ 6000	74.8 75.1	84.8	85.2 85.6	85.6 85.9	86.0			85.7 86.D		85.7 86.D	85.7 86.0				86.0	
≥ 5000 ≥ 4500	75.8 75.9	85.8 86.0		86.6	86.7		86.7		86.7		86.7	86.7	86.7	86.7	86.7	86.7
≥ 4000 ≥ 3500	76.9	87.4		88.3	93.8					88.4 90.8	90.8	90.8	88.6	88.6 90.9	88.6 93.9	88.6
≥ 3000 ≥ 2500	78.9 80.3	90.4	91.3	92.1	-	92.3	92.3	92.3			92.3				92.4	
≥ 1800	80.4	92.9	94.0		95.1	95.1		95.1	95.1	95.1	95.1	95.1	95.2		95.2 95.4	95.2
≥ 1500	ε1.3	94.7	95.9	96.9	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.2	97.2	97.2	97.2
≥ 1200 ≥ 1000	51.6 51.8	95.2 95.8	97.2		98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.8	98.8	98.1	98.8
≥ 900 ≥ 800	81.8 81.9	95.9	97.2 97.4	98.3 98.7	98.7 99.1	99.2	99.4	99.4	99.4	99.4	99.4		99.6	99.6	99.6	99.6
≥ 700 ≥ 600	81.9 81.9	95.9	97.4 97.4	98.7 98.8	99.1 99.2		99.6	99.6	99.6	99.6	99.6	99.6	99.7		99.7	99.7
≥ 500 ≥ 400	81.9 81.9	95.9 95.9	97.4 97.4	98.8 98.8	99.3	99.4 99.4		99.7 99.7		99.8 99.8					99.9 99.9	
≥ 300 ≥ 200	61.9 81.9		97.4							99.9 99.9		_				
> 100 ≥ 0	81.9	95.9	97.4	98.8	99.3	99.4	99.7	99.8	99.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0
	1					نتنا										

TOTAL NUMBER OF OBSERVATIONS 900

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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GEOPAL CLIMATOLOGY BRANCH CTAFETAC ATA MEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1950-2000 HOURS (LIST.)

CEILNG		. =					VIS	B * Y ST.	ATUTE MILI	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . %	≥1%	≥1	≥ ¼	≥%	≥ v:	≥ 5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	58.1 67.0	63.6 74.1				64.6 76.0				64.6 76.0		64.6 76.0	64.6 76.0	54.6 76.0	64.6 76.0	64.6 76.0
≥ 18000 ≥ 16000	67.2 67.6		17.5	76.2 76.7		76.3 76.8							76.3 76.8			76 • 3 76 • 8
≥ 14000	68 • 4 69 • 8	79.8	81.1	78.4 81.7						78.6 81.8		78.6 81.8	78.6 81.8		78.6 81.8	
≥ 9000	71.4 71.6	82.6	83.9			84.7		84.7	84.7	84.3 84.7	84.7	84.3 84.7	84.7	84.7	84.7	84.7
≥ 8000 ≥ 7000	72.9	85.0	86.3	86.9	87.1	87.1		87.1	87.1		87.1	86.1	86.1 87.1	86.1	Ī	86.1 87.1
≥ 6000 ≥ 5000	74.4	86.2	87.6	88.1	88.3	88.3		88.6	88.6	87.9	88.6	88.6	87.9 88.6	88.6	88.6	87.9 88.6
≥ 4500 ≥ 4000	75.2 75.4		88.6	88.4	89.3		89.3	89.6	89.6	88.9	89.6	89.6	89.6	89.6		89.6
≥ 3500 ≥ 3000	76.9 77.2 77.7	90.0	90.8	92.4	92.7	92.7	92.7		92.9	92.9	92.9	92.9	92.9			
≥ 2000	78.2		92.6 93.3 93.7	94.6	94.9	94.9	94.9		95.1	95.1	95.1	95.1	95.1	95.1	94.3	94.3
≥ 1500	78.4	92.7	94.3	95.6	95.9	95.9	95.2 95.9	95.4 96.1 97.7	96.1	96.1	95.4 96.1	95.4 96.1 97.8	95.4 96.1 97.8	95.4 96.1 97.8	95.4 96.1	95.4
≥ 000 ≥ 900	78.4	94.3	96.4	97.8		98.1	98.1	98.3	98.3	98.3	98.4	98.4	98.4	98.4	98.4	97.8
≥ 800 ≥ 700	78.4	94.4	96.7	98.0	- 1	98.3		98.6	98.6		98.7	98.7	98.7	98.7		
≥ 600	78.4	94.6	96.8		98.6	98.6	98.6		99.0	99.0	99.1	99.1	99.1		99.1	99.1
≥ 400 ≥ 300	78.8 78.8	94.9	97.1	98.6	99.3	99.3		99.8	99.8	99.9	100.0	100.0	100.0	0.00	100.0	00.0
≥ 100	78 • 8 78 • 8	94.9	97.1 97.1	98.6		99.3	99.3	99.8	99.8		100.0	100.0	100.0	00.0	100.0	100.0
≥ 0	78.8	94.9	97.1	98.6		-1		99.8				100.0				

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

•

GLEBAL CLIMATOLOGY BRANCH JSAFETAC

ATE WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

SEP

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (L.S.T.)

CELENG							VIS	BILITY ST	ATUTE MILI	ES						
(PEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥ . ⅓	≥1%	≥1	≥ %	≥%	≥ 4:	≥ 5/16	≥ ¼	≥c
NO CEILING ≥ 20000	61.3	69.3	1 7 7 7 1	70.1	70.1	70.1	70.1 76.9	70.1	70 • 1 76 • 9	70.1	70.1 76.9	70 • 1 76 • 9	75.1 76.9	70 • 1 76 • 9	73.1	70.1
≥ 18000	66.0 66.2	75.8 75.8		76.8	76.9	76.9	77.3	77.3	77.3	77.3	77.3	77.3		77.3	77.3	77.3
≥ 14000	66.3	75.9		77.3		77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ :2000	67.9	77.6 78.9		80.3	79.1 80.6		80.6		80.6			80.6	60.6			80.5
00001 ≤	69.2	80.9	82.0 82.2	82.3		82.6 82.8	82.6	82.6 82.8	82.6 82.8	82.6 82.8		82.6 82.8	82.6 82.8	82.6	82.6 82.8	82.6
≥ 8000	70.4	81.1	83.8	84.1	84.3		84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 7000	71.5	83.2	·	84.7	84.9	84.9	84.9	84.9	84.9	84.9		84.9	84.9	84.9	84.9	84.9
≥ 5000	72.1	84.4		85.9	1	· -[	86.2	86.2		86.2	86.2	86.2	86.2	86.2	56.2	86.2
≥ 4500 ≥ 4000	72.4 72.7	85.0 85.6	1 1	86.4 87.1	86.8		86.8		86.8	86.8		86.8	86.8	86.8 87.4	86.8	86.8
≥ 3500	73.1	86.4	87.7	88.2	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6	88.6
≥ 3000	73.6	87.1 87.7	88.9	88.9		89.2	89.2	89.2	89.2	89.2		89.2	89.2	89.2	89.2	89.2
≥ 2000	74.2	88.1	89.3	90.0	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3		90.3
≥ 1800 ≥ 1500	74.9		1 1	90.3	90.7	90.7	90.7	90.7 91.9	90.7	90.7	90.7 91.9	90.7	90.7	90.7 91.9	90.7	90.7
≥ 1200 ≥ ,000	75.8	90.7	92.0	92.9	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2	93.2
≥ .000 ≥ 900	76 • 3 76 • 3	92.8		94.6		95.7	95.7	95.1 95.7	95.1 95.7	95.1 95.7	95.1 95.7		95.7	95.1 95.7	95.1 95.7	95.7
≥ 800	76.4			95.7												96.4
≥ 700 ≥ 600	76 • 8 76 • 9		,)	96.0 96.6		96.6	96.8				-		-		97.9	96.9
≥ 500 ≥ 400	77.2	95.1	96.8	97.7	98.6	98.6	98.9	99.1	99.1	99.2	99.2	99.2	99.2	99.2		99.2
≥ 300	77.2						99.6								100.0	
≥ 200	77.2				-		99.6		99.8						100.0	
≥ 100 ≥ 0	77.2		1 '''			99.1	99.6						F		160.0	

TOTAL NUMBER OF OBSERVATIONS ______900

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

## CEILING VERSUS VISIBILITY

722536

MANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE

MONTH

(FROM HOURLY OBSERVATIONS)

ALL

CEILING							VIS	Bib'Y ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥ 2 1/5	≥ 2	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ %:	≥ 5/16	≥ ′4	≥0
NO CEILING ≥ 20000	45.7 50.3	54.7 61.0		55.8 62.4	- : :		56.2 62.9	56.2 63.0			56.3 63.0	56.3 63.0		56.3 63.0		56.3 63.1
≥ 18000 ≥ 16000	51.0 51.2	61.3	62.2 62.6	62.8	63.1	· - I		63.3 63.7			63.4 63.7	63.4 63.7	63.4	63.4	63.4	63.4
≥ 14000 ≥ 12000	52.0 53.4		64.2 66.2	64.7 66.8	65.1 67.2	65.1 67.2	65.2 67.3		65.3 67.4		65.3 67.4	65.3 67.4		65.3 67.4		1
00001 ≤	54.6 54.8			69.0 69.2	69.4		69.5 69.8		69.6 69.9					69.7 70.0		69.7 70.0
≥ 8000 ≥ 7000	55.4 56.2			70.3 71.2	70.7 71.6		70.9 71.8		-	_	71.0	71.0		71.1 71.9		
≥ 6000 ≥ 5000	56.4 56.7	69.8 70.3	71.0 71.5	71.6 72.1	72.0 72.6	72.1 72.6	72.2 72.8			1	72.3 73.0					72.4 73.0
≥ 4500 ≥ 4000	57.0 57.4	70.8 71.4		72.5 73.2	73.0 73.7	73.1 73.8	73.2 73.9		73.4 74.1	73.4 74.1	73.4 74.1	73.4 74.1	73.5 74.1	73.5 74.1	73.5 74.1	
≥ 3500 ≥ 3000	58.2 59.1	72.7 74.0		74.7 76.1	75.2 76.6	75.2 76.7	75.4 76.8				- 1			75.6 77.1	75.6 77.1	75.6 77.1
≥ 2500 ≥ 2000	60.2 61.3	77.6	79.2	78.2 80.2	78.7 80.8		79.0 81.0		79.1 81.2	79.2 81.2	79.2 81.3	79.2 81.3	79.2 81.3	79.2 81.3	79.2 81.3	79.3 81.3
≥ 1800 ≥ 1500	61.6 63.0	78.2 80.6		80.8 83.7	81.4	81.5 84.5	81.7 84.7		81.9	1	81.9 84.9	81.9 84.9		82.0 85.0	82•9 85•9	
≥ 1200 ≥ 1000	64.1 65.3	83.4 85.5	87.6	86.6		89.9		90.4		90.5		90.5	90.6	88.3 90.6	88.0 90.6	
≥ 900 ≥ 800	65.6	86.5	90.0	90.0 91.6	92.6	92.7						93.6	93.7			
≥ 700 ≥ 600	66.4	88.6		92.6	95.0	95.2		94.6 96.0		96.2	94.8			94.9	94.9	
≥ 500	66.7	90.2	93.2	95.2		97.0	97.1 97.8			97.7	97.8	97.8 98.7	98.8	97.9	97.9	98.0
≥ 300 ≥ 200	66.7	90.4 90.4	93.3	95.3 95.3		97.2 97.2	98.0 98.1	98.6 98.7 98.7	98.8	99.0	99.2	99.3		99.5	99.5	99.6
≥ 100 ≥ 0	6 <b>6 •</b> 7	90.4		95.3		97.2		98.7		99.1 99.1	99.3 99.3			99.7		99.9

TOTAL NUMBER OF OBSERVATIONS

7199

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARR OBSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

722536

PANDOLPH AFB TX

69-73,73-80

OCT

ATION STATION NA

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

)000-0200

CERNG							VIS	B.L TY 57	ATUTE MIL	£5						
(FEET)	≥10	≥6	≥\$	≥ 4	≥ 3	≥2%	≥ 2	≥ ، ½	≥1%	≥1	≥ ¼	≥%	≥ ⊬.	≥ 5/16	≥ %	≥c
NO CEILING ≥ 20000	51.3 51.7	59.4 60.6							-	59.8 61.2		59.8 61.2		59.8 61.2	59.8	59.8 61.2
≥ 18000 ≥ 16000	51.7 51.9	60.6 60.8	60.9	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2	61.2
≥ 14000 ≥ 12000	52.3 52.5	61.4	61.6	61.9	61.9	61.9	61.9	61.9	61.9		61.9	61.9	61.9	61.9	61.9	61.9
≥ 10000 ≥ 9000	54.5	64.5	64.7	65.1	65.1	65.1	65.1	65.1	65.1 65.1	65.1	65.1	65.1 65.1	65.1	65.1	65.1	65.1
≥ 8000 ≥ 7000	55.2 5 <b>5.</b> 7	65.7	65.9	66.2	66.2	66.2		66.2	66.2		66.2	66.2		66.2	66.2	66.2
≥ 6000 ≥ 5000	56.0 56.8	66.9	67.1	67.7	67.7	67.7		67.7	67.7		67.7	67.7	67.7	67.7	67.7	67.7
≥ 4500 ≥ 4000	57.5 57.7	69.8	70.0	70.6	70.6	70.6		70.6	70.6	70.6	70.6	70.6		70.6	70.6	
≥ 3500 ≥ 3000	58.8	71.3	71.7	72.5	72.5	72.5	72.5 74.5	72.5	72.5	72.5	72.5	72.5		72.5	72.5	72.5
≥ 2500 ≥ 2000	60 · 8		75.5	76.2	76.2	76.2	76.2 78.7	76.2	76.2	76.2	76.2	76.2		76.2	76.2	-
≥ 1800 ≥ 1500	62.4	78.6	79.0	80.0	80.0	80.0		80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0
≥ 1200 ≥ 1000	66.1	85.8	86.5	87.4	87.5	87.5	87.5 90.0	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5	87.5
≥ 900 ≥ 800	67.6		90.8	91.7	91.8		91.8	91.8	91.8	91.8	91.8	91.8	91.8	91.8		91.8
≥ 700 ≥ 600	68.9	93.1		95.4	95.6		95.6	95.6	95.6	95.6	95.6	95.6		95.6	95.6	95.6
≥ 500 ≥ 400	69.4	94.3	95.5	97.1	97.5		97.7	97.8	97.8	97.8	97.8	97.8	97.8	98.0	98.0	98.0
≥ 300 ≥ 200	69.4	94.5	95.8	98.0	98.5	98.7		98.9	98.9	98.9	98.9	98.9	98.9		99.0	99.0
≥ 100 ≥ 0	69.4	94.5	95.8	98.0	98.5	98.7	98.8	98.9	98.9	99.0 99.0	99.0	99.0	99.2	99.4	99.4	99.5

TOTAL NUMBER OF OBSERVATIONS ______930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATT WEATHER SERVICE/MAC

#### **CEILING VERSUS VISIBILITY**

772536

RANDOLPH AFB TX

69-70,73-80

OCT

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

.)300-0500

CEILING							VIS	IBILITY ST	ATUTE MIL	ES						
(PEET)	2:0	≥6	≥ 5	≥ 4	≥ 3	≥ 21⁄.	≥ 2	≥ ι %	≥1%	≥1	≥ ¼	≥ %	≥ %	≥ 5/16	≥ '4	≥0
NO CEILING ≥ 20000	39.5 40.5	49.4 50.8	57.0 51.4		50.8 52.2	50.8 52.2	50.9 52.3		51.1 52.5		51.1 52.5	51.1 52.5	51 • 1 52 • 5	51.1 52.5	51.2 52.6	51.2 52.6
≥ 18000 ≥ 16000	40.6 41.1	50.9 51.4	51.5 52.0	52.5	52.3 52.8	52.8	52.9		52.6 53.1	53.1	52.6 53.1	52.6 53.1	52.6 53.1	52.6 53.1		53.2
≥ 14000 ≥ 12000	41.4	51.4 51.9	52.0 52.6			52.8					53.1	53.1 53.7	53.1	53.1 53.7	53.8	53.8
≥ 9000	42.2	53.5 54.5		55.6	54.9 55.9	54.9 55.9	55.1 56.0		56.2	56.2	55.3 56.2	55.3 56.2	55.3 56.2	55.3 56.2	56.3	56.3
≥ 8000 ≥ 7000 ≥ 6000	44.3	55.7 56.8 58.1	56.3 57.4 58.7		57.1 58.2 59.5	57.1 58.2 59.5	57.2 58.3 59.6		57.4 58.5 59.8		57.4 58.5 59.8	57.4 58.5 59.8	57.4 58.5 59.8	57.4 58.5 59.8	57.5 58.6 59.9	58.6
≥ 5000 ≥ 5000	45.6	59.4	60.0	60.4		60 · 8 62 · 4	60.9 62.5	61.1	61.1	61.1	61.1	61.1	61.1	61.1	61.2	61.2
≥ 4000 ≥ 3500	47.0	61.8	62.8	63.4	63.8	63.8	63.9	64.1	64.1	64.1	64.1 66.0	64.1 66.0	64.1	64.1	64.2	64.2
≥ 3000 ≥ 2500	48.8	64.8	65.8 68.1		67.1	67.1	67.2		67.4	67.4	67.4 69.8	67.4	67.4	67.4	67.5	67.5
≥ 1800	51.1 51.2	70.5	71.1 71.6	72.2 72.8	72.5	72.6 73.4	72.8 73.7	73.0 73.9			73.0 73.9	73.0 73.9		73.0 73.9		73.1 74.0
≥ 1500 ≥ 1200 ≥ 1000	53.4	74.2	75.3 77.5		77.0	77.3	77.6 80.0	80.2	80.2	80.2	77.8 80.2	77.8 80.2		78.0 80.3	80.4	78.1
≥ ,000 ≥ 900 ≥ 800	54.4 54.4	78.3 79.1 81.4	79.8 80.9		81.8 83.0 85.9	82.2 83.7 86.7		84.2	84.2	84.2	82.7 84.2 87.2	82.7 84.2 87.2		84.5	84.6	84.6
≥ 700 ≥ 600	5 <b>5.3</b>	82.6	84.6	86.5	87.6 89.1	88.4	88.7	89.0	89.0	89.0	89.0 90.9		89.2	89.4		89.5
≥ 500 ≥ 400	5 <b>5.4</b>	84.9		- · · ·	91.4	92.2 93.2	94.D	94.7	94.9	95.2	93.7 95.2	93.7 95.2	93.9 95.4	94.0 95.5	95.6	94.1 95.8
≥ 300 ≥ 200	55.4 55.4	85.4	88.6	91.5	93.1	94.0	95.4	96.3	96.3	97.2	96.7 97.5	96.7	98.0			
≥ 100 ≥ 0	5 <b>5.4</b>	85.4	88.6		1177	94.0	95.4 95.4	96.3			97.5 97.5		98.1 98.1	98.6 98.6		

TOTAL NUMBER OF OBSERVATIONS ______930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS VENTIONS OF THIS FORM ARE OSSOLE

GLCPAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

0 C T

TAN NOITATE HOITAT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3600+0800

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	≥1	≥ %	≥ %	≥ 4:	≥ 5/16	≥ %	≥0
NO CEILING ≥ 20000	34.3		- 1	44.6	1 1!	46.1 43.0	46.6	46.9 48.7	47.0		47.4 49.2	47.4	47.4	47.4 49.2	47.4	47.4 49.2
≥ 18000 ≥ 18000	35.8 35.9	43.4	44.8 45.1	46.7	47.6	48.3	48.7 48.9	49.0	49.1	49.4	49.6 49.8	49.6	49.6	49.6	49.6 49.8	49.6
≥ 14000 ≥ 12006	36.3 36.8	44.9	45.8 46.3	47.6		49.2	49.7	50.0 50.5	50.1 50.6	50.3 50.9	50.5 51.1	50.5 51.1	50.5 51.1	50.5 51.1	50.5 51.1	50.5 51.1
≥ 10000 ≤	38.1 38.4	47.2 47.7	48.6 49.1	50.6 51.2		52.3 52.8		53.0 53.5	53.1 53.7	53.3 53.9	53.5 54.1	53.5 54.1	53.5 54.1	53.5 54.1	53.5 54.1	53.5 54.1
≥ 8000 ≥ 7000	39.0 39.6	48.4 49.2	50.0 50.9	52.0 52.9	53.0 53.9	53.8 54.6		54.5 55.4	54.6 55.5	55.7	55.1 55.9			55.1 55.9		55.1 55.9
≥ 6000 ≥ 5000	40.1	49.8 51.9	1171	53.7 55.9		55.7 58.0		56.5 58.7	56.6 58.8						59.2	
≥ 4500 ≥ 4000	42.0 42.8	53.8			59.1	58.6 60.0	60.4	60.8		59.7 61.1	59.9 61.3			59.9		
≥ 3500 ≥ 3000	43.2	56.2	58.0	58 • 8 60 • 2	61.7			63.4		63.8	62.5 64.0				62.8	
≥ 2500 ≥ 2000	45.2	60.9					68.8		66.7 69.5	70.0 70.3	67.2 70.2 70.5	67.4 70.4 70.8	67.5 70.5	67.5 70.5	67.5 70.5	70.5 71.0
≥ 1800 ≥ 1500 ≥ 1200	46.3 47.4		62.9 66.0	65.6 69.1		68.5 72.4 74.9	73.2	73.8		74.5		74.9	75.1	75.1	75.1 78.0	75.2
≥ 900	48.2	67.2	69.6	73.1	75.1	76.5	77.4	78.2		79.1	79.4	79.6		79.7	79.7	79.8
≥ 800	49.0	71.0	73.5	77.3			82.7	83.7	84.0 85.7		84.9		85.3		85.3	85.4
≥ 600	49.4			81.3	84.5	86.6 88.0				89.9	90.1 91.6	90.3		90.4		
≥ 400 ≥ 300	49.4					89.8		92.6		93.7 95.1	94.0					94.9
≥ 100	49.4	74.3			87.8		92.5	93.9	94.4	95.9	96.7		97.8		98.5	
≥ 0	49.4	74.3	78.Q	84.0	87.8	90.3	92.5	93.9	94.4	95.9	96.7	96.9	97.8	97.8	98.5	100.0

TOTAL NUMBER OF OBSERVATIONS ______93

USAF ETAC JULIA 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE OSSOLETE

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GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

OCT

PATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0900-1100

CEILING							٧١S	BILITY STA	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥+%	≥1%	۱چ	≥ ¼	≥ %	≥ ∀:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	44.0 47.2	50.6 54.7		51.8 56.1	51.8 56.	51.8 56.1	51.8 56.1	51.8 56.1	51.8 56.1		51.8 56.1	51.8 56.1	51.8 56.1	51.8 56.1	51.8 56.1	51.8 56.1
≥ 18000 ≥ 16000	47.6 48.0	55.2 55.5		56.6 56.9	56.6 56.9			56.6 56.9	56.6 56.9		56.6 56.9	56.6 56.9	56.6 56.9	56.6 56.9	56.6 56.9	56.6 56.9
≥ 14000 ≥ 12000	48.7 49.1	56.5 57.5		57.8 58.9	57.8 58.9	- : · - i	57.8 58.9	57.8 58.9		57.8 58.9	57.8 58.9	57.8 58.9	57.8 58.9	57.8 58.9	57.8 58.9	57.8 58.9
00001 ≤	50.8 51.0	59.6 59.8	7.7.7.1	61.3	61.3	61.3	61.3	61.3		61.3	61.1	61.1 61.3	61.1	61.3	61.3	61.1 61.3
≥ 8000 ≥ 7000	52.5 52.8	61.5 62.3	62.7 63.5	63.0 63.9	63.0 63.9	63.0	63.9	63.9	63.9	63.9	63.0 63.9	63.9	63.9	63.9	63.9	
≥ 6000 ≥ 5000	52.8 54.0	62.4 63.8		64 • 1 65 • 5	64.1 65.5	64.1 65.5		64.1			65.5	64.1	65.5		64.1	65.5
≥ 4500 ≥ 4000	54 • 1 54 • 1	64.0 64.1	65.4	65.7	65.7 66.0		66.0		66.D	66.0	65.7 66.0	65.7	66.0	66.0	66.0	65.7 66.0
≥ 3500 ≥ 3000	55.3 56.7	65.7 68.2	70.1	70.5	70.6		70.6	70.6	70.6	70.6	70.6 74.9	68.1 70.6 74.9	70.6	70.6	70.6 74.9	70.6
≥ 2500 ≥ 2000 ≥ 1800	58.2 60.1	71.4	77.4	74.5	78.9	79.1			79.2	79.2	79.2 80.5			79.2		79.2
≥ 1800 ≥ 1500 ≥ 1200	60.4 63.1	75.8 80.2 83.0		79.5 84.5	80.0 85.3	80.3 85.6 89.1	80.4 85.7 69.2			85.8	85.8	85.8	85.8	85.8		85.8
≥ 1000	65.2	85.7	89.7	91.7	92.8				93.5	93.7		93.7	93.7		93.7	
≥ 800 ≥ 700	65.2	86.8	1 7 1	93.4	94.9	95.4 96.0	95.5		95.7	95.8		11.	95.8	95.8	95.8	
≥ 600	65.5	87.5	91.9	94.7	96.5	96.9	97.0		97.2		97.4	97.4	97.4		97.4	97.4
≥ 400	65.5	87.7			97.5 97.5	98.0	98.4	98.7	98.8	99.1	99.2	99.2	99.2	99.2	99.2	-
≥ 200 ≥ 100	65.5 65.5	87.7						98.9		99.6	99.8	99.8		99.8	99.8	99.9
≥ 0	65.5	87.7	92.6	95.5	97.5	98.0	98.5	98.9	99.1	99.6	99.8	99.8	99.8	99.8	99.9	00.0

TOTAL NUMBER OF OBSERVATIONS

930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS ENTIONS OF THIS FORM ARE DESOLETE

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GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

772536

RANDOLPH AFB TX

69-70,73-80

OCT

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.S.Y.)

CEIUNG							vis	ABILITY ST.	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥ ; %	≥1%	≥1	≥ ¾	≥ %	≥ <del>/:</del>	≥ 5/16	≥ %	≥0
NO CEIUNG ≥ 20000	59.4 6 <b>3.3</b>	62.4	62.7 67.8		62.7 67.8			:				62.7 67.8			62.7 67.8	67.8
≥ 18000 ≥ 18000	T 1	67.8				68.4 68.5		68.4 68.5			68.4 68.5	68.4	68.4 68.5		68.4 68.5	
≥ 14000 ≥ 12006	65.1 65.9	69.0			69.6			69.6 70.8				69.6 70.8		1	69.6 70.8	69.6 70.8
0000° ≤ 000° ≤	68.7 69.2		74.8 75.5	74.8	74.8 75.5	74.8	74.8	74.8 75.5			74.8 75.5	74.8	74.8	74.8		74.8 75.5
≥ 8000 ≥ 7000	69.8	75.4		76.2	76.2 77.4	76.2	76.2	76.2 77.4	76.2	76.2	76.2	76.2	76.2	76.2	76.2	
≥ 6000 ≥ 5000	71.2 72.2	77.2	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1	78.1 79.0	78.1	78.1	78.1	78.1 79.0	78.1 79.0
≥ 4°70 ≥ 4000	72.6 73.5	78.7	79.6							79.6 81.1		79.6 81.1	79.6	79.6	79.6 81.1	79.6 81.1
≥ 3500 ≥ 3000	75.6 77.2	82.5						83.9 86.3		83.9 86.3		83.9 86.3			83.9 86.3	
≥ 2500 ≥ 2000	79.6 80.6	88.3 90.1			89.9 91.8					90.2 92.3	90.2 92.3	90.2		90.2 92.3	90.2 92.3	
≥ 1800 ≥ 1500	81.9	90.9			92.6 95.1						93.0 95.5		1	93.0 95.5		
≥ 1200 ≥ 1000	82.5 82.6	94.6	96.2 97.2		97.1 98.3						97.6 98.8				97.7 98.9	
≥ 900 ≥ 800	82.6 82.7	95.3 95.4	97.2 97.3		98.3 98.4						98.8 98.9	- 1			98.9 99.0	
≥ 700 ≥ 600	82.7 82.7	95.5 95.5	97.4 97.4	'	98.7 98.7		99.0 99.1			99.2 99.4	99.4		i l	99.5 99.6		
≥ 500 ≥ 400	82.7 82.7	95.6 95.6		98.3 98.3							99.9					
≥ 300 ≥ 200	82.7 82.7	95.6 95.6	97.5	98.3	98.8	99.0		99.7	99.7	99.8	99.9	100.0	100.0	100.0	100.0	100.0
≥ 100 ≥ 0	82.7 82.7	95.6 95.6	97.5 97.5	· ·			99.6 99.6			-	99.9			r :		

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC PORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

GLORAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

#### **CEILING VERSUS VISIBILITY**

7:25 36

PANDOLPH AFB TX

69-70,73-80

OCT

TATION STATE

YEA

MONTH

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700

CEILING (FEET)							VIS	iB:LiTY ST	ATUTE MIL	ES						
1,550	≥ 10	≥6	≥ 5	≥ 4	≥3	≥3%	≥ 2	≥+%	≥1%	≥1	≥ %	≥%	≥ %	≥ 5/16	≥ ¼	≥0
NO CEIUNG ≥ 20000	64.5 69.1	67.3	1				67.3 72.5			67.3 72.5			67.3 72.5		67.3 72.5	67.3 72.5
≥ 18000 ≥ 16000	70 • 1 70 • 3	73.1 73.3				73.4 73.7	73.4 73.7	73.4 73.7		73.4 73.7				73.4 73.7	73.4	
≥ 14000 ≥ 12000	71.6 72.6	74.8 76.0		17.73			75.2 76.3			75.2 76.3			75.2 76.3		75.2 76.3	75.2 76.3
00001 ≤	75.7 76.2	79.6 80.1	1	79.9 80.4	1111					79.9 80.4			79.9 80.4		79.9 80.4	
≥ 8000 ≥ 7000	77.6 78.3	81.6 83.1		81.9 83.5	81.9 83.5	81.9 83.5		81.9 83.5	_	_			81.9 83.5			
≥ 6000 ≥ 5000	79.0 80.0	84.1 85.2					84.5 85.8						84.5 85.8		84.5 85.8	84.5 85.8
≥ 4500 ≥ 4000	80.6 82.5	85.8 88.1				86.5 89.0			_	86.5 89.1						86.5 89.1
≥ 3500 ≥ 3000	84.5 85.7	90.3 92.2				91.3 93.2		93.3	93.3	93.3			91.4 93.3		91.4 93.3	
≥ 2500 ≥ 2000	86.9 87.5	93.4 94.2					94.9 95.8	94.9 95.9		94.9 95.9			1		94.9 95.9	
≥ 1800 ≥ 1500	87.6 87.8	94.3 94.7			95.7 96.6					96.0 96.9					96.0 96.9	
≥ 1200 ≥ 1000	88.0 88.1	95.5		97.3	97.6	97.6	98.1	98.3	98.3	98.4	98.4	98.4	98.4	98.4	98.4	98.4
≥ 900 ≥ 800	88.3	95.8			98.5	98.5	98.9	98.6 99.1	99.1	99.2	99.2	99.2	99.2	99.2	99.2	99.2
≥ 700 ≥ 600	88.5	96.0 96.1	97.1	98.2	98.7 98.8	98.8	99.2		99.5	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500 ≥ 400	38.6		97.4	98.5	99.1	99.1	99.4	99.8	99.9	99.8 100.0	100.0	100.0	100.0	100.0	100.0	
≥ 300 ≥ 200	88.6		97.4	98.5	99.1	99.1	99.6		99.9	100.0 100.0	100.D	100.0	100.0	00.0	0.00	00.0
≥ 100 ≥ 0	88.6	96.5		98.5 98.5		99.1	99.6			100.0						

TOTAL NUMBER OF OBSERVATIONS

USAF	ETAC	FORM JUL 64	0-14-5 (	OL A	PREVIOUS ENTIONS OF	THIS FORM ARE OBSO	LET
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**1** 

GLEBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

772736

RANDOLPH AFB TX

69-70,73-80

oc*

STATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1830-2000

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥ 6	≥ 5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥:%	≥11/4	≥1	≥ ¾	≥ %	≥ 4:	≥ 5/16	≥ '4	≥o
NO CERING	66.6	70.5	70.6	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9	70.9
≥ 20000	70.8	75.3	75.4	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6	75.6
≥ 180000	71.0	75.5	75.6	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8	75.8
≥ 16000	71.3	75.9	76.0	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 14000	72.0	76.9	77.1	77.3	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4	77.4
≥ 12000	73.0	78.2	78.4	78.6	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7	78.7
≥ 10000	75.5	80.9	81.1	81.3	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4	81.4
≥ 9000	75.9	81.3	81.5	81.7	81.8	81.8		81.8	81.8	81.8	81.8	81.8	81.8	81.8	61.8	81.8
≥ 9000	77.1	92.8	83.2	83.5	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7	83.7
≥ 7000	77.3	83.4	83.9	84.2			84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3	84.3
≥ 6000	78.1	84.2	84.6	84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
≥ 5000	79.7	86.0	86.5	86.9	87.0	87.0	87.C	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0	87.0
≥ 4500	80.9	87.5	88.0	88.4	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	88.5	68.5	88.5
≥ 4000	81.9	88.8	89.2	89.7	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8	89.8
≥ 3500	83.3	90.5	91.0	91.4	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5	91.5
≥ 3000	84.7	92.6	93.7	93.4	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5	93.5
≥ 2500	84.8	93.7	94.2	94.7	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 2000	85.8	94.6	95.2	95.7	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9	95.9
≥ 1800	86.1	94.9	95.5	96.0	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2	96.2
≥ 1500	86.6	95.6	96.1	96.7	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0	97.0
≥ 1200	86.6	95.7	96.2	96.8	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1	97.1
≥ ,000	87.0	96.5	97.q	97.6	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1	98.1
≥ 900	87.q	96.5	97.1	97.7	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3	98.3
≥ 800	87.q	96.5	97.2	98.0	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.6	98.5	98.6	98.6
≥ 700	87.2	96.7	97.4	98.4	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1	99.1
≥ 600	87.2	96.8	97.5	98.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6	99.6
≥ 500	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 400	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 300	87.2	96.9	97.8	98.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9	99.9
≥ 200	87.2	96.9	97.8	98.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0
≥ 100	87.2	96.9	97.8	98.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0
≥ 0	87.2	96.9	97.8	98.9	99.9	99.9	99.9	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	00.0

TOTAL NUMBER OF OBSERVATIONS 933

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

**?** 

, Company

GLERAL CLIMATOLOGY BRANCH SCAFETAC ATH MEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

7 12: 36

RANDOLPH AFB TX

69-70,73-80

OCT

<u>9</u>30

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2130-2303 Hours (L.E.T.)

CEHING							vis	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥ 10	≥ه	≥ 5	≥ 4	≥ 3	≥3.%	≥ 2	≥+%	≥1%	≥1	≥ ¼	≥ %	≥ ٧:	≥ 5/16	≥ 16	≥c
NO CEILING	03.3	70.2	70.2	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.3	73.3	70.3	70.3	70.3
≥ 20000	66.0	74.0	74.0	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1	74.1
≥ 18000	66.2	74.2	74.2	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3	74.3
	56.7	74.6			74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7	74.7
≥ 14000	67.0	75.2	75.2	75 • 3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75.3	75 • 3
<del></del>	67.1	75.4		75.5	75.5	75.5	75.5		75.5			75.5		75.5		
≥ 10000	69.2	77.7	77.7	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8	77.8
	69.4	77.8		78.0	78.0							78.0		78.0	78.0	
≥ 8000 ≥ 7000	70.2	79.0			79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1	79.1
	70.5	79.4			79.5		79.5		79.5		79.5	79.5	79.5	79.5	79.5	
≥ 6000	70.6	79.5	79.7	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
	71.3	80.3	80.5	80.8	80.8		80.8		80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8
≥ 4500 ≥ 4000	72.3	81.7	81.9	82.2	82.2		82.3	82.3	-	82.3	82.3	82.3	82.3	82.3	82.3	82.3
	72.6	82.6			83.0		83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1	83.1
≥ 3500 ≥ 3000	74 - 1	84.4	84.6		84.9	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1	85.1
	74.7	85.4						86.0			86.0					86.0
≥ 2500 ≥ 2000	75.3	86.6	86.8	87.1	87.1	87.2	87.2	87.2	87.2	87.2	87.2	87.2		87.2	87.2	87.2
	76.3	88.4	88.6				89.1		89.1	89.1	89.2	89.2				
≥ 1800	76.9	89.1	89.4	89.7	89.8	-	89.9	89.9		89.9	90.0					
	78.5	91.5						92.5						92.6		
≥ 1200	79.5	93.2	93.5	94 . 0	94.2	94.3	94.3	94.3		94.3	94.4	94.4		94.4	94.4	94.4
	81.1	95.6						96.7		96.7	96.8			96.8	96.8	
≥ 900 ≥ 800	81.2	96.0	96.3		97.1	97.2	97.2	97.2		97.2	97.3	97.3		97.3	97.3	
	81.5	96.3					97.7				97.8		97.8			
≥ 700	81.6	96.5	96.9	97.7			98.2				98.3			98.3	98 • 3	
	81.8	96.7		98.0				98.4			98.5			98.5	98.5	
≥ 500 ≥ 400	81.8	97.0	- 1		• .		99.0	99.0	-		99.2			99.2	99.2	
	81.8		97.4								99.4	99.4		99.4	99.4	99.4
≥ 300 ≥ 200	81.8	97.1			99.1	99.2	99.4	99.4	99.4	99.5	99.6	99.6		99.6	99.6	99.6
	81.8		97.5		99.1		99.5	99.5		99.6	99.7	99.7		99.7	99.8	
≥ 100		1 1 7 7		,	99.1		99.5	99.5			99.8			99.8	99.9	
لنـــنا	81.8	7/03	7/03	98.4	77.1	99.2	77.5	99.5	99.5	99.7	99.8	99.8	99.8	99.8	77.9	100.0

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC JUL 4 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH JEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

PERCENTAGE FREQUENCY OF OCCURRENCE

ALL

(FROM HOURLY OBSERVATIONS)

HOURS (L.S.T.)

CEILING							v15	BILITY ST	ATUTE MIL	<b>E</b> 5						
(FEET)	≥10	≥6	≥ 5	≥4	≥ 3	≥2%	≥ 2	≥ ۱%:	≥1%	≥1	≥ ¾	≥%	≥ %:	≥ 5/16	≥ 6	≥¢
NO CEILING	52.3	58.9	59.4	59.7	59.9	60.0	60.0				60.2			60.2	oC • 2	
≥ 20000	55.6	62.3	62.8	63.2	63.3	63.4	63.5	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6
≥ 18000	55.9	62.6	63.1	63.5	63.7	63.8	63.8	63.9	63.9	64.0	64.0	64.0	64.0	64.€	64.0	64 . 3
≥ .9000	56.1	62.9	63.4	63.8	64 . D	64.1	64.1	64.2	64.2	64.2	64.3	64.3	64.3	64.3	64.3	64.
≥ 14000	56.8	63.7	64.2	64.7	64.8	64.9	65.0	65.0	65.1	65.1	65.1	65.1	65.1	65.1	65.1	65.
≥ :2000	57.3	64.5	65.0	65.4	65.6	65.7	65.8	65.8	65.8	65.9	65.9	65.9	65.9	65.9	65.9	65.
≥ 10000	59.3	67.1	67.7	68.2	68.3	68.4	68.5	68.5	68.6	68.6	68.6	68.6	68.6	68.6	68.6	68.
> 800C	59.7	67.6	68.1	68.6	68.8	68.8	68.9	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.1	69.
≥ 8000	60.6	68.8	69.4	69.9	70.D	70.1	70.2		70.3	70.3	70.3	70.3	70.3	70.3	70.3	70.
≥ 7000	61.1	69.7	70.3	70.8	71.D	71.0	71.1	71.2	71.2	71.2	71.3	71.3	71.3	71.3	71.3	71.
≥ 6000	61.6					71.8	71.9						72.0	72.0		
≥ 5000	62.6			73.0		73.3	73.3		73.4		73.5		1			
≥ 4500	63.4					74.3	74.3				74.5			74.5		
≥ 4000	64.3				75.4	75.5	75.6			75.7	75.7	75.7		75.7	75.7	
≥ 3500	65.4						77.5				77.6	77.6			77.7	
≥ 3000	66.5	1		78.8		79.2	79.3		79.4	79.4	79.5			79.5	79.5	
> 2500	67.5				81.5										82.0	
≥ 2000			82.4			83.9	84.1	84.2	84.2		84.3		l	84.4	84.4	
	68.8		7.7.						84.9							
≥ 1800 ≥ 1500	69.0			83.9		84.6								85.1	85.1	_
	70.3	84.5							87.9				88.1	88.1	88.1	
≥ 1200	71.0									90.2		-			90.3	
	71.7	87.8								92.2	92.2					
≥ 900	71.8			91.5	-					93.2					93.4	
≥ 80%	72.1							94.3	94.4	94.5	94.5	94.6	94.6	94.6	94.7	
≥ 700	72.4	1						95.3	95.3		95.5			95.6	95.6	
≥ 600	72.5	90.4	92.3	04.2	95.3	95.7	96.0				96.5			96.7	96.7	
≥ 500	72.5	90.8	92.8	94.8	96.0	96.5	96.9	97.2	97.3	97.5	97.5	97.6		97.6	97.7	
≥ 400	72.5	91.0	93.1	95.2	96.6	97.1	97.6		98.0	98.2	98.3	98.3	98.4	98.4	98.4	98.
≥ 300	72.5	91.0	93.2	95.4	96.7	97.3	97.9	98.3	98.4	98.6	98.7	98.8	98.9	98.9	98.9	99.
≥ 200	72.5	91.0	93.2	95.4	96.7	97.3	98.0	98.4	98.5	98.9	99.1	99.1	99.3	99.3	99.4	99.
≥ 100	72.5	91.0	93.2	95.4	96.7	97.3	98.0	98.4	98.5	98.9	99.1	99.1	99.3	99.4	99.6	99.
≥ 0	72.5	91.0	93.2	95.4	96.7		98.0				99.1	99.1	99.3	99.4	99.6	100.

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOPAL CLIMATOLOGY BRANCH L'AFETAC AL WEATHER SERVICE/MAC

## **CEILING VERSUS VISIBILITY**

722536

RANDOLPH AFB TX

69-70,73-80

NOV

900

TAYION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1000-0200

CEILNG							viS	.B . TY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥ 2 1/5	≥ 7	≥ . ½	≥1%	≥1	≥ 4	≥%	≥ v:	≥ 5/16	≥ ′4	≥c
NO CEIUNG ≥ 20000	51.9		56.2		-	56.7	56.8	56.9	56.9	56.9	56.9		56.9	56.9	57.0	57.0
	52.8		57.4			57.9	58.0		58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2
≥ 18000	52.5	57.4	57.4	57.6		57.9	58.0	58.1	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2
≥ 16000	53.2	57.9	57.9	58.0		58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
≥ 14000	53.2	57.9	57.9	58.0	56.3	58.3	58.4	58.6	58.6	58.6	58.6	58.6	58.6	58.6	58.7	58.7
≥ :2000	53.2	58.1	58.1	58.2	58.6	58.6	58.7	58.8	58.8	58.8	58.8	58.8	58.8	58.8	58.9	58.9
≥ 10000	54.3	59.6	59.7	59.8	60.1	63.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	63.4	60.4
≥ 9000	_54.3	59.6	59.7	59.8	60.1	60.1	60.2	60.3	60.3	60.3	60.3	60.3	60.3	60.3	6J.4	60.4
≥ 8000	54.7	59.9	60.0	60.1	60.4	60.4	60.6	60.7	60.7	60.7	60.7	60.7	60.7	60.7	60.8	50.8
≥ 2000	55.8	61.0	61.1	61.2	61.6	61.6	61.7	61.8	61.8	61.8	61.8	61.8	61.8	61.8	61.9	61.9
≥ 6000	56.8	62.1	62.2	62.3	62.7	62.7	62.8	62.9	62.9	62.9	62.9	62.9	62.9	62.9	63.0	63.0
≥ 5000	57.7	63.4	63.6	63.7	64.0	64.0	64.1	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.3	64.3
≥ 4500	58.0	64.0	64.1	64.2	64.6	64.6	64.7	64.8	64.8	64.8	64.8	64.8	64.8	64.3	64.9	64.5
≤ 400C	58.4	64.7	64.8	64.9	65.2	65.2	65.3	65.4	65.4	65.4	65.4	65.4	65.4	65.4	65.6	
≥ 3500	59.4	65.8	65.9	66.0	66.3	66.3	66.4	66.6	66.6	66.6	66.6	66.5	66.6	66.6	06.7	66.7
≥ 3000	59.9	66.6	66.7	66.9	67.3	67.3	67.4	67.6	1	67.6		67.6	67.6			
≥ 2500	62.3	70.1	70.3	70.6	71.2	71.3	71.4	71.6	71.6	71.6	71.6	71.6	71.6	71.6	71.7	71.7
≥ 2000	63.9	72.2		72.7			73.7									73.9
≥ 1800	54.2	73.6			74.7	74.9	75.0		75.1	75.1	75.1	75.1	75.1	75.1	75.2	75.3
≥ 1500	65.0	75.7	75.9	76.2	77.1		77.6	_		77.8						
≥ 1200	66.0	78.9		79.6	80.6		81.1	81.2	81.2	81.3	81.3	81.3	81.3	81.3	31.4	81.4
≥ ,000	56.2	81.0	81.7	82.1	83.1		83.7	83.8	83.8	83.9	83.9	83.9	83.9	83.9	84.0	
<u>≥</u> 900	66.3	82.2	83.1	83.7	84.7	84.9	85.2	85.3	85.3	85.4	85.4	85.4	85.4	85.4	85.6	85.6
≥ 800	66.7	83.8		85.9	87.1		87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	88.0	88.0
≥ 700	66.8	85.2		88.1		89.7	90 D	90.1	90.1	90.2	90.2	90.2	90.2	90.2	90.3	90.3
≥ 600	66.8	86.0		89.7	91.1		91.7	91.8			91.9			91.9		
≥ 500	66.8	86.8	89.1	91.2		93.6	93.9	94.0		94.3	94.3	94.3	94.3	94.3	94.4	94.4
≥ 400	66.8	87.3	- T 1 T -		95.4	95.7	96.1	96.3	- 1		96.8			96.8		96.9
≥ 300	66.8			92.9	95.9	96.1	96.8	97.2	97.2	97.9	97.9	97.9	97.9	97.9	98.1	98.2
≥ 300	66.8	87.4					97.4	98.0	1						99.0	
	66.8										98.8			98.8		
≥ 100 ≥ 0		- : - 1					97.4	98.0	98.0		98.8	98.8	98.8	98.8	99.1	99.7
	66.8	87.4	90.2	93.0	96.3	70.0	97.4	78 · 0	98.D	98.7	98.8	75.8	98.8	98.8	99.1	JUL

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

. 3

GLOBAL CLIMATOLOGY BRANCH

USAFETAC

ATE WEATHER SERVICE/MAC

CEILING VERSUS VISIBILITY

772°36

RANDOLPH AFB TX

69-70,73-80

NGV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

300-050G

CEILING							VIS	BILITY STA	ATUTE MILE	E S						
(FEET)	≥:0	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/.	≥ 2	≥ : %	≥1%	≥1	≥ ¼	≥%	≥ v.	≥ 5/16	≥ ¼	≥c
S 50000 S 50000	46.3 46.8	49.7 50.7	49.9 50.9		50.9 51.9	50.9 51.9	1	51.1 52.1	51.2 52.2	51.3 52.3	51.3 52.3	51.3 52.3	1		51.4 52.4	51.8 52.8
5 ,9000 ≥ 18000	46.8 47.0	50.7 50.9	50.9 51.1	~ • · ·		51.9 52.1		52.1 52.3	52.2 52.4		52.3 52.6	52.3 52.6	52.3 52.6	_	52.4 52.7	52.8 53.0
≥ 14000 ≥ 12000	47.1 47.2	51.1 51.3	51.3 51.6		52.3 52.6	52 <b>.3</b> 52 <b>.6</b>	52.4 52.7			53.0	52.8 53.0			52.9 53.1		53.2 53.4
00001 ≤	48.0 48.1	52.2 52.3	52.6	53.1	53.4 53.6	53.4 53.6	53.7		53.9	54.0	54.0	53.9 54.0	54.0	54.1		54.4
≥ 8000 ≥ 7000	49.2 49.8	53.4 54.0	53.7 54.2			54.7 55.2	54.8 55.3	55.4	55.0 55.6	55.7		55.1 55.7	55.7	55.8		56.1
≥ 6000 ≥ 5000	50.1 51.2	54.6 55.9		56.8		55.9 57.2	56.0 57.3		57.6	57.7	56.3 57.7	56.3 57.7	56.3 57.7	57.8	56.4 57.8	
≥ 4500 ≥ 4000	5 <b>2.1</b> 5 <b>2.2</b>	57.1 57.7		58.6	59.0	58.4 59.0		59.2		59.4	58.9 59.4	58.9 59.4	58.9 59.4	59.6	59.0 59.6	59.9
≥ 3500 ≥ 3000	52.6 53.3	58.8 59.9		59.7 60.9	61.3	61.3	60.2	61.6			60.6	61.8	61.8	61.9	61.9	62.2
≥ 2500 ≥ 2000	54.9 56.1		63.3	64 • 1	64.7	67.4			65.2 68.0		65.3	65.3	65.3	65.4	65.4	
≥ 1800	57.0 57.8	69.9		68.4 71.2	69.1 72.2	72.2		$\overline{}$			69.8 72.9	69.8 72.9		73.0	73.0	
≥ 1200	59.1 59.2		73.4		75.7	75.7	75.9 78.8	76.1	76.2		76.3	76.3	79.4	79.6	76.4	76.8
≥ 900 ≥ 800	59.4 59.6	77.3	78.2	79.6 80.9	80.9	80.9	81.1	81.6	81.7	81.8	81.8	81.8			81.9	82.2
≥ 700 ≥ 600	59.8 60.0	79.6	80.8	82.9	84.6	84.6	84.8	85.3	85.4		85.6	85.6			85.7	86.3
≥ 500 ≥ 400 ≥ 300	60.0 60.0	82.0 82.1	83.4 83.9	86.9 88.0	89.3 91.3	89.4 91.4 92.8		90.8 92.9 94.7	90.9 93.0		91.0 93.1 95.0	91.0 93.1	93.1	93.2	91.1 93.2 95.1	91.4 93.6 95.7
≥ 200	60.0 60.0	82.1 82.1	7	88.3	92.4	92.9	94.3	95.4	95.8	96.2	96.3	96.3	96.4	96.8	96.9	97.7
≥ 100 ≥ 0	60.0	82.1			92.4											100.0

TOTAL NUMBER OF OBSERVATIONS ______900

USAF ETAC JUL 40 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

SECRAL CLIMATOLOGY BRANCH STAFETAC AT WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

122536

KANDOLPH AFB TX

69-70,73-80

NOV

1600-0800 HOURE (LE.T.)

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

CELLING							VIS	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥ ; c	≥6	≥ 5	≥4	≥ 3	≥ 2 %	≥ 2	≥1%	≥1%	≥1	≥ %	≥ %	≥ 4:	≥ 5/16	≥ 4	≥c
NO CEILING ≥ 20000	39.3 39.9	43.6		44.7	45.6	45.6	46.2 47.0	46.2 47.0	46.2 47.0	46.7	46.7	46.7	46.9 47.6	46.8 47.6	46.9	47.3 47.8
≥ 18000 ≥ 16000	40.1 40.1	44.4	45.0 45.0	45.6 45.6	46.4	46.6 46.6	47.2 47.2	47.2 47.2	47.2 47.2	47.7 47.7	47.7 47.7	47.7 47.7	47.8 47.8	47.8 47.8	47.9 47.9	48.0 48.0
≥ 14000 ≥ 12000	40.4 40.8	45.0 45.4	46.0		47.0 47.4	47.6			48.2	48.7						48.6 49.0
00000 ≤	42.4		48.2	48.8	49.4					50.9				51.0		
≥ 8000 ≥ 7000	44.9		50.8	51.3		52.6		53.2	53.2	53.7	52.4 53.7	52.4 53.7	52.6 53.8 54.7	52.6 53.8 54.7	52.7 53.9 54.8	52.8 54.0 54.9
≥ 6000 ≥ 5000 ≥ 4500	45.6 46.7	50.9 52.3 52.8	53.2		53.3 54.9 55.3	55.0			55.7		56.1		56.2	56.2	56.3	56.4
≥ 4000 ≥ 3500	46.9		54.6	55.1		56.3	57.0	57.0	57.0	57.4	57.4	57.4	1 .		57.7	
≥ 3000	47.9		56.6	57.2		58.6	59.2	59.2	59.3		59.8	59.8	59.9	59.9	60.0	
≥ 2000	50.6 50.9	!	62.4	63.3			65.9			66.4 67.0		67.3		66.6	67.2	66.8
≥ 1500	52.3 53.1	65.2 67.1			69.4 71.7	71.9	72.9	72.9	73.0	71.2 73.4	73.6	73.6	73.7	73.7	73.9	
≥ 900	53.7	69.4	71.8	73.3	75.3	75.7	76.7	77.0	77.2	75.0	77.8	77.8	78.0	78.0	78.2	
≥ 800 ≥ 700 ≥ 600	54.0	72.2	75.0		79.8	77.4 80.2 82.9	81.6	82.0	82.2	79.7 82.7 85.4	82.8	82.8	83.0	83.0	83.2	83.3
≥ 500 ≥ 400	54.0 54.0	74.2	77.4	80.7	84.1			86.7	86.9	87.4	87.6	87.6	87.8	87.8 90.1	88.D 90.6	98 • 1 90 • 8
≥ 300 ≥ 200	54 • 0 54 • 0	74.3	77.7	81.3	85.6	86.4		89.7	90.1		91.8	91.8	92.2	92.2	92.7	93.6 96.2
≥ 100 ≥ 0	54 • 9 54 • 1	74.3	77.7							92.3 92.3		_	93.6 93.6			98.8 130.0

TOTAL NUMBER OF OBSERVATIONS ___

900

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SELPAL CLIMATOLOGY BRANCH USAFETAC ATA WEATHER SERVICE/MAC

#### CEILING VERSUS VISIBILITY

722536

HANDOLPH AFB TX

69-70,73-80

NOV

TATION STATION N

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0930-1100

CEIUNG							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥ ;c	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥;%	≥1%	≥1	≥ %	≥ %	≥ %	≥5/16	≥ ¼	≥c
NO CEILING ≥ 20000	45.3 45.9	48.3	` ~ • ~		48.6	48.6	48.7	48.8	48.8		48.8	48.8	48.8 49.8	48.8	48.8 49.8	48.8
≥ 18000 ≥ 18000	46.1 46.3	49.6	1		49.8 50.0			50.0 50.2	50 • D 50 • 2		50.0 50.2	50.0 50.2	50.0 50.2	50.0 50.2	50.0 50.2	50.0
≥ 14000 ≥ 12000	46.7 47.9	5J.1 51.3	50.1 51.3	50.2 51.4	50.3 51.6		50.4 51.7	50.6 51.8	50.6 51.8	-	50.6 51.8	50.6 51.8	50.6 51.8	50.6 51.8	50.6 51.8	50.6 51.8
00001 ≤ 0000 ≤	49.3 49.9			53.1 53.8	53.2 53.9	53.2 53.9	53.3 54.0		53.4 54.1	53.4 54.1	53.4 54.1	53.4 54.1	53.4 54.1	53.4 54.1	53.4 54.1	53.4 54.1
≥ 8000 ≥ 7000	51.4 5 <b>2.6</b>				55.8 57.0	55.8 57.0		56.0 57.2	56.0 57.2	56.0 57.2	56.0 57.2	56.0 57.2	56.0 57.2			56.0 57.2
≥ 6000 ≥ 5000	53.2 54.9		1 1	57.6 60.0	1	57.7 60.1	57.8 60.2	57.9 60.3	57.9 60.3		57.9 60.3	57.9 60.3	57.9 60.3	57.9 60.3		
≥ 4500 ≥ 4000	55•3 56•0	60.8		60.6 61.6		60.7 61.7	60.8 61.9	60.9 62.0	60.9 62.0			60.9 62.0		60.9 62.0	60.9 62.0	
≥ 3500 ≥ 3000	56 • 6 58 • 8	61.8 64.2		62.7 65.2	62.8 65.3	62.8 65.3	63.0 65.6		63.1 65.7	63.1 65.7	63.1 65.7	63.1 65.7	63.1 65.7	63.1 65.7	63.1 65.7	63.1 65.7
≥ 2500 ≥ 2000	61.3 62.9	68.3 71.3	71.9	72.6					73.6		73.6	70.0 73.6	73.6	73.6	73.6	70.0
≥ 1800 ≥ 1500	63.7 65.2	72.1 75.0	75.8		77.4	77.4	74.2 77.9	78.0	78.0	78.0	78.0	74.3 78.0	78.0	78.0	78.0	74.3
≥ 1200 ≥ 1000	65.9 66.6	79.9		82.9	83.8	83.9		84.7	81.1 84.7	81.1 84.7	81.1 84.7	81.1 84.7	81 • 1 84 • 7	81.1 84.7	84.7	81.1
≥ 900 ≥ 800	66.8	81.9	83.7	85.1	84.9 86.3	86.4	85.7 87.4	87.7	85.8 87.7		87.8	85.8 87.8		87.8		87.8
≥ 700 ≥ 600	67.1 67.1	84.7	86.8		91.1	91.3	92.7	93.0	93.0	91.1	91.1	91.1 93.4	91.1	93.4	91.1	93.4
≥ 500 ≥ 400	67.1 67.1	84.9	87.2		92.4	92.8		94.9	94.9		96.2	94.8	94.8	96.2	94.8	96.2
≥ 300 ≥ 200	67.1 67.1	84.9	87.3	90.0	92.8	93.1	94.9 95.0	95.4		97.0 97.1	97.7	97.6 97.7	97.8 98.0	98.1	98.7	98.1
≥ 100	67.1 67.1	84.9 84.9	1 1 1 1		92.8 92.8		95.0 95.0		95.7 95.7	97.1 97.1	97.7 97.7	97.7 97.7	98.1 98.1	98.3 98.3	99.4	

TOTAL NUMBER OF OBSERVATIONS

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

BLUBAL CLIMATOLOGY BRANCH USAFETAC ATS PEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

77.25.36

RANDOLPH AFB TX

69-70,73-80

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1200-1400 HOURS (L.S.T.)

CEILING				<del>-</del>			VIS	BILITY ST	ATUTE MIL	E5						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 %	≥ 2	≥1%	≥1%	≥1	≥ %	≥ %	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	56 • 1 59 • 8	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	57.7 61.9	
≥ 18000 ≥ 16000	60.0 63.0	62.1	62.1	62.1	62.1	62.1	62.1	62.1 62.1	62.1	62.1 62.1	62.1	62.1	62.1	62.1	62.1	62.1
≥ 14000 ≥ 12000	60.2	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3	62.3 63.1	62.3	62.3	62.3	62.3 63.1	62.3	
≥ 10000	61.8	64.4 65.0	64.4	64 • 4 65 • 0	64.4	64.4	64.4 65.0	64.4 65.0	64.4	64.4 65.0	64.4 65.0	64.4	64.4 65.0	64.4	64.4 65.0	64.4 65.0
≥ 8000 ≥ 7000	63.9 65.3	67.1 68.7	67.1 68.7	67 • 1 68 • 7	67.1 68.7	67.1	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7	67.1 68.7
≥ 6000 ≥ 5000	66 • D	69.6	69.6 71.4	69.6 71.4	69.6	69.6	69.6 71.4	69.6 71.4	69.6	69.6 71.4	69.6 71.4	69.6	69.6	69.6 71.4	69.6 71.4	69.6 71.4
≥ 4500 ≥ 4000	68.1 69.4	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	71.9 73.8	
≥ 3500 ≥ 3000	70 • 6 74 • 4	75.3 79.4	75.3 79.4	75 • 3 79 • 6	75.3 79.7	75.3 79.7	75.3 79.7	75.3 79.7	75.3 79.7	75.3 79.7	75.3 79.7	75.3 79.7	75.3 79.7	75.3 79.7	75.3 79.7	75.3 79.7
≥ 2500 ≥ 2000	77.2 79.2	83.7 87.2	83.7 87.2	83.8 87.3	83.9 87.6	83.9 87.6	84.1 87.9	84.1 87.9	84.1 87.9		84.1 87.9	84.1 87.9	84.1 87.9	84.1	84.1 87.9	
≥ 1800 ≥ 1500	79.6 79.7	88.9	88.1 89.0	88.2 89.1	88.4	88.4	88.8 89.7	88.9	88.9	88.9	88.9 89.8	88.9	88.9	88.9	89.9	
≥ 1200 ≥ 1000	81.4	91.2 92.3	91.3 92.6	91.7 93.2	91.9 93.6	91.9	92.2 94.0	92.3 94.1	92.4	92.4	92.4 94.2	92.4	92.4	92.4	92.4	
≥ 900 ≥ 800	81.4 81.7	92.7	92.9	93.7	94.2	94.3	94.7 95.8	94.8	94.9	94.9	94.9	94.9	94.9	94.9	94.9	94.9
≥ 700 ≥ 600	81.7	93.7		95.6	95.8	96.4	96.4 97.0		96.8		97.2 97.8	97.2	97.2 97.8	97.8	97.8	97.8
≥ 500 ≥ 400	81.7	93.8	94.7	95.9		97.3		98.0	98.9	98.6	98.7	98.7	98.7 99.6	98.7 99.6 99.7	98.7 99.6 99.7	98.7 99.6 99.7
≥ 300 ≥ 200	81.7	93.9			97.2 97.2	97.3	98.2	98.8 98.8			99.7 99.7	99.7 99.7	99.7	99.9	100.0	00.0
≥ '00 ≥ 0	81.7	93.9	* ' • '				98.2 98.2						99.7		100.0	

TOTAL NUMBER OF OBSERVATIONS _

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

VOV

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L.S.T.)

CEILING							٧ıS	IBILITY ST.	ATUTE MIL	ES						
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ %	≥ %	≥ %	≥ 5/16	≥ ¼	≥0
NO CEILING	62.8	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 20000	66.9	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8	68.8
≥ 18000	67.3	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2	69.2
≥ 16000	67.3	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8	69.8
≥ 14000	68.8	70.7	79.7	70.7	70.7	70.7	70.7		70.7	70.7	70.7	70.7		70.7	70.7	70.7
≥ :2000	70.0	72.0		72.0	72.0	72.0	72.0				72.0	72.0	72.0	72.0	72.0	72.0
≥ 10000	70.6	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8	72.8
≥ 9000	71.1	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73.3	73,3	73.3	73.3	73.3	73.3	73.3	73.3
≥ 8000	72.2	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
≥ 2000	73.6	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
≥ 6000	74.3	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1	77.1
≥ 5000	76.6	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.0	80.D	80.0
≥ 4500	77.8	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	81.2	31.2
≥ 4000	79.4	83.0	83.d	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	83.0	63.0	83.0
≥ 3500	80.2	84.3	84.3	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4	84.4
≥ 3000	82.2	87.3	87.3	87.7	87.8	87.8	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
≥ 2500	84.3	90.2	90.2	90.8	90.9	90.9	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0	91.0
≥ 2000	_04.9	91.3	91.3	92.0	92.1	92.1	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3	92.3
≥ 1800	84.9	91.3	91.3	92.1	92.2	92.2	92.4	92.4	92.4	92.6	92.6	92.6	92.6	92.6	92.6	92.6
≥ 1500	_85.3	91.9	92.0	92.8	92.9	92.9	93.1	93.1	93.1	93.3	93.3	93.3	93.3	93.3	93.3	93.3
≥ 1200	65.6	92.7	93.0	93.8	93.9	93.9	94.2	94.2	94.2	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ .000	86.0	93.4	94.0	94.9	95.1	95.1	95.6	95.6	95.6	95.8	95.8	95.8	95.8	95.8	95.8	95.8
≥ 900	66.2	93.7	94.2	95.1	95.3	95.4	95.9	95.9	95.9	96.1	96.1	96.1	96.1	96.1	96.1	96.1
≥ 800	86.2	93.7	94.3	95.3	95.6	95.7	96.1	96.2	96.2	96.4	96.4	96.4	96.4	96.4	96.4	96.4
≥ 700	86.2	93.9	94.8	95.8	96.2		96.8	97.0	97.0	97.2	97.2	97.2	97.2		97.2	97.2
≥ 600	86.3	94.2	95.1	96.1	96.7	96.8	97.2	97.4	97.4	97.8	97.8	97.8			-	97.8
≥ 500	86.3	94.3	95.3	96.6	97.3		97.9	98.1	98.1	98.6	98.6	98.6	98.6			98.6
≥ 400	26.3	94.3	95.3	96.6	97.7	97.9	98.3	98.6	98.6	99.2	99.2	99.2	99.2		99.2	99.2
≥ 300	86.1	94.3	95.3		97.7		98.3	98.6	98.6	99.6	99.7	99.7	99.8		99.8	
≥ 200	86.3	94.3	95.3	96.6	97.7		98.3	98.6			99.8				100.0	
≥ 100	86.3	94.3	95.3	96.6	97.7		98.3			99.6					00.0	
≥ 0	86.3	94.3	95.3	96.6	97.7		98.3	98.6	98.6	99.6		99.8			100.0	00.0
						<u> </u>										

TOTAL NUMBER OF OBSERVATIONS ______901

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE DESOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AL WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

FANDOLPH AFB TX

69-70,73-80

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

1830-2000

CEILING				-			VIS	BILITY STA	ATUTE MIL	E5						
(FEE [†] )	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 21⁄.	≥ 2	¥≀≤	≥1%	≥1	≥%	≥ %	≥ ∀:	≥5/16	≥ ′₄	≥0
NO CEILING ≥ 20000	63.2 66.7	65.1 68.8	65.2 68.9	65 · 2	65.2 68.9	65.2	65.2 68.9	65.2 68.9	65.2	65.2 68.9	65.2 68.9	65.2 68.9	65.2 68.9	65.2 68.9	65.2 68.9	65.2 68.9
≥ 18000 ≥ :6000	67.2	69.3 69.6	69.4 69.7	69.4 69.7	69.4 69.7	69.4	69.4 69.7	69.4 69.7	69.4	69.4	69.4 69.7	69.4	69.4	69.4	69.4	69.4 69.7
≥ 14000 ≥ 12000	67.8 68.4	70.1 70.8	70.2 70.9	70.2 70.9	70.2 70.9	70.2 70.9	70.2 70.9	70.2 70.9	70.2 70.9	70.2 70.9	70.2 70.9	70.2 70.9	70.2 70.9	70.2 70.9	70.2 73.9	
≥ 10000 ≥ 9000	69.3 69.3	72.0 72.0	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1	72.1 72.1
≥ 8000 ≥ 7000	70.2 71.2	73.0 74.8		73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	73.1 74.9	
≥ 6000 ≥ 5000	72 • 1 73 • 1	75.9 77.3	76.0 77.4	77.4	76.0 77.4	76.0 77.4	76.0 77.4	76.0 77.4	76.0 77.4	76.0 77.4	76.0 77.4	76.0 77.4	76.0 77.4	76.0 77.4	76.0 77.4	77.4
≥ 4500 ≥ 4000	74 • 1 75 • 6	78.4	78.6 80.1	78.6 80.1	78.6 80.1	78.6	78.6 80.1	78.6 80.1	78.6	78.6 80.1	78.6 80.1	78.6 80.1	78.6 80.1	78.6 80.1	78.6 80.1	78.6
≥ 3500 ≥ 3000	76.8 78.7	81.8	81.9 84.7	82.0 85.2	82.1 85.4	82.1 85.4	82.2 85.6		82.2 85.6	82.2 85.6	82.2 85.6	82.2 85.6	82.2 85.6	82.2 85.6	85.6	82.2
≥ 2500 ≥ 2000	81.6	87.4	88.0		89.1 91.1	89.1 91.1	89.2 91.2		89.2 91.2		89.2 91.2	89.2 91.2	89.2 91.2		89.2 91.2	
≥ 1800	82.2	89.2 90.2	90.0	91.9	91.2	91.2	91.3 92.6	92.6	91.3		91.3 92.6	91.3	91.3	92.6	91.3	91.3
≥ 1200	82.9	92.0	92.7		94.2	94.9	95.1	95.1	94.4	94.4	94.4	94.4	94.4	94.4	94.4	94.4
≥ 900 ≥ 800	83.1	92.6	93.3	95.1	95.B	95.0 95.8	96.2	95.2 96.2	95.2 96.2	95.2 96.2	95.2	95.2	95.2 96.2 97.1	95.2 96.2	95.2 96.2 97.1	95.2 96.2 97.1
≥ 700 ≥ 600	83.1 83.1	92.6 92.8	94.0	95 • 6 95 • 8	96.4 96.7	96.8	97.3		97.3	97.1 97.3 98.4	97.1 97.3 98.4	97.1 97.3 98.4	97.4	97.4	97.4	97.4
≥ 500 ≥ 400 ≥ 300	83.1	93.0 93.1 93.1	94.4	96.3	97.1 97.3	97.4 97.6	97.8 98.0	97.9 98.1 98.9	98.1 98.3 99.1	98.7	98.7	98.7	98.8	98.8	98.8	98.8
≥ 200 ≥ 100	83.1	93.1	94.6		97.3	97.6	98.4	98.9	99.1	99.4	99.4	99.4	99.6	99.6	99.8	99.8
2 0	83.1	93.1	94.6		97.3			98.9	99.1	99.4	99.4	99.4	99.7	99.7	99.9	

TOTAL NUMBER OF OBSERVATIONS

900

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS RESTIONS OF THIS FORM ARE OBSOLETE

GLEBAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

PANDOLPH AFB TX

69-70,73-80

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (L.S.T.)

CEILING			_				VIS	BILITY ST	ATUTE MIL	ES						Ī
(FEE:)	≥10	≥6	≥ 5	≥4	≥ 3	≥ 2 ½	≥ ?	≥+%	≥1%	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ ¼	≩¢
NO CEILING ≥ 20000	54.2 65.9	66.2 68.0	66.3 68.1	66.3 68.1	66.3 68.1	66.3 68.1	66.3 68.1	66.3 68.1	66.3 68.1	66.4 68.2	66.4 68.2	66.4 68.2	66.4 68.2	66.4	66.4 68.2	66.4 68.2
≥ 18000 ≥ 16000	66.2	68.3 68.6		68.4 68.7		68.4 68.7	68.4 68.7	68.4 68.7	68.4 68.7	68.6 68.8	68.6 68.8	68.6 68.8	68.6 68.8	68.6 68.8	68.6 68.8	68.6 68.8
≥ 14000 ≥ 12000	66.6			69.0 69.6		69.0 69.6		69.0 69.6	69.0 69.6		69.1 69.7	69.1 69.7	69.1 69.7	69.1 69.7	69.1 69.7	69.1 69.7
≥ 10000 ≥ 9000	67.8 67.8		70.3 70.3			70.6 70.6			70.6 70.6		70.7 70.7	70.7 70.7	70.7	70.7 70.7	70.7	
≥ 8000 ≥ 7000	68.2 69.3	70.7 72.0		70.9					71.0 72.3	_	71.1 72.4	71.1	71.1 72.4	71.1 72.4	71.1 72.4	71.1 72.4
≥ 6000 ≥ 5000	69.9	72.7 74.3		72.9 74.6			74.7	74.7	73.D 74.7	73.1 74.8	74.8	74.8	74.8	73.1 74.8		74.8
≥ 4500 ≥ 4000	71.6 72.8	75.1 76.4	75.2 76.6	75.3 76.7	:: - =	75.4 76.8			75.4 76.8			75.6 76.9	76.9	76.9	76.9	76.9
≥ 3500 ≥ 3000	73.3 74.4	77.3 79.0	77.4 79.1	77.6 79.2	77.6 79.2	77.7 79.3			77.7 79.3	77.8	77.8 79.4	77.8 79.4	77.8	77.8 79.4		79.4
≥ 2500 ≥ 2000	76.9 78.7	82.4	82.6 84.9	82.9 85.3	83.1 85.6	83.2 85.7	85.7	83.2 85.7	83.2 85.7	85.8	83.3	83.3 85.8	85.8		85.8	85.8
≥ 1800 ≥ 1500	78.9 79.3	85.1 86.4	85.3 87.0	85.8 87.6		86.1		86.1	86 • 1 88 • 1	86.2	86.2 88.2	86.2 88.2	86.2	86.2 88.2	86.2 88.2	88.2
≥ 1200 ≥ 1000	80.0 80.8	89.8 91.4		91.1 92.8		91.4	91.7 93.4	91.7	91.7 93.4			91.8	91.8	91.8	91.8	93.6
≥ 900 ≥ 800	80.8	92.9 92.9		93.7	94.1	94.2	95.9	94.4	94.4	96.0			96.0			96.0
≥ 700 ≥ 600	80.8 80.8	93.4	94.1 94.2			96.4	97.3			97.4	97.4	97.3	97.4	97.4	97.4	97.4
≥ 500 ≥ 400	8D.8	93.4	94.3	95.7 95.7	96.8	96.9	97.7	97.8	97.8		97.9 98.2	97.9 98.2	98.2	97.9 98.2	97.9	98.2
≥ 300 ≥ 200	80.8 60.8		94.4	95.9		96.9	97.9	98.4	98.4 98.4	99.1	98.7 99.1	98.7 99.1 99.2	98.7 99.1 99.2	98.7 99.1 99.2	98.7 99.2	
≥ 100 ≥ 0	80.8	1	94.4	95.9		97.3 97.3		98.4	98.4	99.1	99.1	99.2	99.6	99.6		100.0

TOTAL NUMBER OF OBSERVATIONS ______900

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS PORM ARE OBSOLETE

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

### **CEILING VERSUS VISIBILITY**

722536

MANDOLPH AFB TX

69-70,73-80

NOV

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING		·					vis	ABILITY ST	ATUTE MIL	ES						
IFEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥2%	≥ 2	≥1%	≥1%	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	5 <b>3.6</b>	56.4 58.6	56.5 58.8	56 • 7 58 • 9	56.9 59.2	56.9 59.2	57.0 59.3		57.1 59.3	57.2 59.4	57.2 59.4	57.2 59.4	57.2 59.4	57.2 59.5	57.2 59.5	57.3 59.5
≥ 18000 ≥ 16000	55.8 56.0	58.9 59.1	59.0 59.3	59 • 2 59 • 4	59.4 59.6	59.4 59.7	59.5 59.8	59.6 59.8	59.6 59.8	59.7 59.9	59.7 59.9	59.7 59.9	59.7 59.9	59.7 59.9	59.7 60.0	59.8 60.0
≥ 14000 ≥ 12000	56.3 57.0	59.5 60.2	59.6 60.3	59.8 60.5	60.0 60.7	60.0	60.8	60.9	60.2 60.9	60.3 61.0	60.3 61.0	60.3	60.3 61.0		60.4 61.0	
≥ 10000 ≥ 9000	57.9 58.2	61.5 61.7	61.6	61 • 8 62 • 0		62.3	62.4	62.5	62.2 62.5	62.6	62.3	62.3	62.3	62.6	62.3	
≥ 8000 ≥ 7000	59.2 60.3	62.9	63.0	63.2 64.5	63.5	63.5	63.6 64.9	65.0	63.7 65.0		63.8	63.8	65.1	63.8	63.8	63.9
≥ 6000 ≥ 5000	61.0	65.0 66.8	65.2 67.D		67.5	67.5		67.7		67.8	65.9	67.8	65.9	66.C 67.8		
≥ 4500 ≥ 4000	63.0	67.6	67.8 69.0	69.2	69.5	68.3	69.6	69.7	69.7	69.8	69.8	68.5	69.8	69.8	69.8	69.9
≥ 3500 ≥ 3000 ≥ 2500	64.6 66.2	69.9 72.0 75.5	70.2 72.3 75.9		70.7 73.1 76.9	70.8 73.1 76.9	70.9 73.3 77.1		73.3	73.4	73.4	71.1 73.4 77.3	71 • 1 73 • 4 77 • 3	71.1 73.4 77.3	71.1 73.5 77.4	
≥ 2000	69.7 70.1	77.9	78.3 79.0	78.8		79.5	79.7	79.8	79.8	79.9	79.9	79.9	79.9	79.9		80.0
≥ 1500	70.9	80.4	81.0		82.3	82.4 85.0	82.8	82.8	82.8	83.0		83.0 85.7	83.0	83.0	83.1	83.1
≥ 900	72.1	84.2	85.1	86.1	86.9	87.0	87.4	87.5	87.6		87.7	87.7		87.8	87.8 89.0	87.8
≥ 800 ≥ 700	72.4 72.4	85.9	87.1	88.3	89.4	89.5	90.1	90.2	90.3	90.4	90.5	90.5			90.6	90.6
≥ 600	72.5 72.5		89.0			92.4	93.1	93.4	93.4	93.7	93.7	93.7 95.2		-	93.8	93.8 95.3
≥ 400	72.5 72.5	87.9	89.7		94.4	94.4		95.7 96.4		96.4		96.4	96.5		96.6	96.7
≥ 200 ≥ 100	72.5 72.5	87.9 87.9		92.2 92.2			96.1	96.7	96.9	-	98.0	1	98.2			98.8
≥ 0	72.5	87.9	89.8	92.2	94.6	94.9	96.1	96.7	96.9	97.8	98.0	98.0	98.3	98.4	98.9	00.0

7200 TOTAL NUMBER OF OBSERVATIONS

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLERAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0000-0200

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥2%	≥2	≥+%	≥1%	≥1	≥ ¼	≥%	≥ 4:	≥ 5/16	≥ ¼	≥0
S 50000 S EITING	48.5	52.6 56.1	53.0 56.7	53.0 56.7	53.1			53.2 56.9			53.2 56.9		53.3 57.0	53.3 57.0		53.4 57.1
≥ 18000 ≥ :6000	52.2 52.4	56.6	57.1	57.1 57.3	57.2 57.4	57.2	57.3	57.3	57.3			57.3	57.4 57.6	57.4 57.6		57.5 57.7
≥ 14000 ≥ 12000	53.3	57.7		58.3	58.4	58.4 58.4	58.5	58.5		58.5 58.5	58.5 58.5	58.5 58.5	58.6 58.7	58.6 58.7	58.6 58.7	58.7 58.8
00001 ≤	53.9	58.3 58.3		58 · 8	58.9 58.9	58.9	59.0		59.0	59.0	59.0 59.0	-		59.2 59.2		59.4 59.4
≥ 8000 ≥ 7000	54.2	58.9 59.6	59.5	59.5 60.1		59.6	59.7	59.7	59.7	59.7	59.7 60.3	59.7	59.9	59.9	59.9	60.0 60.6
≥ 6000 ≥ 5000	55.4 56.7	60.2		60.8	60.9		61.0 62.4				62.4	61.0	61.2	61.2	2	
≥ 4500 ≥ 4000	58.5	63.9	64.4	64.4	64.5	64.5	64.6				64.6	64.6	64.8 65.8	64.8 65.8		64.9
≥ 3500 ≥ 3000	60.0	65.5	66.0	66.0 68.6	66.1	66.1	66.2				66.2 68.8		66.5 69.0	66.5 69.0		
≥ 2500 ≥ 2000	63.0 64.3	70.1	70.8	70.8				71.0 72.9	71.0 72.9		71.0 72.9			71.2 73.1	71.2 73.1	71.3 73.2
≥ 1800 ≥ 1500	65.3 66.6	73.2 75.6							74 • 2 77 • 0		74.2 77.0		74.4 77.2			
≥ 1200 ≥ ,000	67.6	78.3 80.0	79.0 81.0	79.1 81.3	79.7 81.9	1111						79.9 82.3	80.1 82.5	80.1 82.5	80.1 82.5	8D.2 82.6
≥ 900 ≥ 800	68.9	81.4	82.6 85.1	83.0 85.5	83.9 86.3	83.9		84.2		84.2	84.2 86.8	84.2 86.8	84.4 87.0	84.4 87.0	84.4 87.0	84.5 87.1
≥ 700 ≥ 600	69.1	84.4		86.8	87.8	87.8				1111	88.3 89.4	88.3	88.5	88.5 89.6		
≥ 500 ≥ 400	69.6 69.7	86.1 86.3	88.1 88.4	88.8		90.2	91.7		92.2	92.4	92.4	92.4	92.8		92.8	
≥ 300 ≥ 200	69.7 69.7	86.6			92.4		94.1		94.7	95.5	95.9					94.9
≥ 100 ≥ 0	69.7 69.7	17.1			92.4	92.8 92.8		94.5 94.5		95.5 95.5		96.1 96.1		96.7 96.7		99.2

TOTAL NUMBER OF OBSERVATIONS ____

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OSSOLETE

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIN MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

7:2536

HANDOLPH AFB TX

69-70,73-80

DEC

PATION

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

0300-0500

CEILING						_	vis	BILITY ST.	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥5	≥ 4	≥ 3	≥21⁄.	≥ 2	≥1%	≥11%	ا≾	≥ ¾	≥%	≥⊬:	≥ 5/16	≥ ′₄	≥0
NO CEIUNG	44.3	49.0	49.2	49.5	49.7	49.8	50.2	50.2	50.2	50.2	50.2	50.2	50.5	50.5	50.8	51.0
≥ 20000	46.5	51.6	51.8	52.0	52.4	52.5	52.9	52.9	52.9	52.9	52.9	52.9	53.2	53.2	53.4	53.7
≥ 18000	46.7	51.8	52.0	52.3	52.6	52.7	53.1	53.1	53.1	53.1	53.1	53.1	53.4	53.4	53.7	53.9
≥ :6000	47.1	52.3	52.5	52.7	53.C	53.1	53.5	53.5	53.5	53.5	53.5	53.5	53.9	53.9	54.1	54.3
≥ 14000	48.1	53.2	53.4	53.7	54.0	54.1	54.5	54.5	54.5	54.5	54.5	54.5	54.8	54.8	55.1	55.3
≥ :2006	48.4	53.5	53.8	54.0	54.3	54.4	54.8	54.8	54.8	54.8	54.8	54.8	55.2	55.2	55.4	55.6
≥ 10000	48.8	54.0	54.2	54 . 4	54.7	54.8	55.3	55.3	55.3	55.3	55.3	55.3	55.6	55.6	55.8	56.0
≥ 9000	49.0	54.2	54.4	54.6	54.9	55.1	55.5	55.5	55.5	55.5	55.5	55.5	55.8	55.8	56.0	56.2
≥ 8000	49.9	55.4	55.6	55.8	56.1	56.2	56.7	56.7	56.7	56.7	56.7	56.7	57.0	57.0	57.2	57.4
≥ 7000	50.6	56.7	56.9	57.1	57.4	57.5	58.0	58.0		58.0	58.0	58.0	58.3	58.3	58.5	58.7
≥ 6000	50.8	56.8	57.0	57.2	57.5	57.6	58.1	58 • 1	58.1	58.1	58.1	58.1	58.4	58.4	58.6	58.8
≥ 5000	51.5	57.6	57.8	58.1	58.4	58.5	58.9	58.9	58.9	58.9	58.9	58.9	59.2	59.2	59.5	59.7
≥ 4500	52.0	58.7	58.9	59.1	59.5	59.6	60 • D	60.0	60.0	60.0	60.0	60.0	60.3	60.3	60.5	60.8
≥ 4000	52.6	59.6	59.8	60.0	60.3	60.4	60.9	60.9	60.9	60.9	60.9	60.9	61.2	61.2	61.4	61.6
≥ 3500	53.3	60.5	60.8	61.0	61.3	61.4	61.8	61.8	61.8	61.8	61.8	61.8	62.2	62.2	62.4	62.6
≥ 3000	54.6	62.2	62.4	62.6	63.0	63.1	63.5	63.5	63.7	63.7	63.7	63.7	64.0	64.0		
≥ 2500	56.6	64.8	65.1	65.3	65.7	65.8	66.2	66.2	66.3	66.3	66.3	66.3	66.7	66.7	66.9	
≥ 2000	57.8	66.9	67.1	67.3	67.7	67.8	68.3		68.4	68.4	68.4	68.4	68.7	68,7		
≥ 1800	58.6	68.0	68.2	68.5	68.9					69.6	69.6		69.9	69.9	70.1	
≥ 1500	60.2	70.3	70.5	70.9	71.4	71.5	71.9			72.0	72.0			72.4	72.6	
≥ 1200	60.6	72.6		73.4			74 - 5		- 1	74.6	74.6	74.6	74.9	74.9	75.3	
≥ 1000	61.7	74.6	75.5	76.2			77.6			77.7	77.7		78.1	78.1	78.4	
≥ 900	62.2	75.8		77.4		78.3	78.8		78.9	78.9	78.9	78.9	79.2	79.2	79.6	
≥ 800	62.3	77.5	78.8	79.7	80.5		81.2			81.4	81.5	81.5		81.8		82.4
≥ 700	62.7	79.4		82.0	82.9	83.0	83.8	83.8	83.9	84.0	84.1	84.1	84.4	84.4	84.7	84.9
≥ 600	62.7	80.4		83.9	84.9		85.9				86.3			86.7		87.2
≥ 500	62.7	80.6	82.4	84.5	86.1	86.3	87.5	87.6			88.5	88.5	88.8	88.8	89.2	
≥ 400	62.7	80.6		84.9		87.1	88.3				89.5		89.9	89.9		
≥ 300	62.7	80.6		85.3	87.4		89.1	89.6	90.1	90.6	91.5	_	91.9	91.9	92.4	92.7
≥ 200	62.7	80.6	82.6				89.6		90.8		92.4		93.1	93.2	-	
≥ 100	62.7	80.6						90.1						93.7	95.1	98.7
≥ 0	62.7	83.6	82.6	85.5	87.7	88.2	89.7	90.1	90.9	91.5	92.8	92.8	93.5	93.8	95.2	00.0

TOTAL NUMBER OF OBSERVATIONS 930

USAF ETAC FORM 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

7

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GLCBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

772536

RANDOLPH AFB TX

69-70,73-80

DEC

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

3630-080C

CEILING							viS	IBILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/5	≥ 2	≥ , %	≥1%	≥1	≥ ¾	≥ %	≥ ⊬.	≥ 5/16	≥ '4	≥0
NO CEILING ≥ 20000	39.1 41.6		43.4 46.1	44.1	44.6	44.9	45.2	45 • 2 47 • 8	45.2 47.8		45.2 47.8	45.2 47.8	45.4 48.1	45.4	45.7 48.4	(
≥ 18000 ≥ 18000	41.7	45.9 46.8		46.9	47.4	47.7 48.6	48.0 48.8	48.0 48.8	48.D 48.8		48.D 48.8	48.0 48.8		48.2 49.0	48.5	48.6 49.5
≥ 14000 ≥ 12000	43.7 45.1	47.8 49.4		48.8 50.3	49.4 50.9	49.7 51.2	49.9 51.4	49.9 51.4	49.9 51.4		49.9 51.4	49.9 51.4		50.1 51.6	50.4 51.9	
≥ 10000 ≤	45.4 45.6	49.7	50.0 50.2	50.6 50.9	51.2 51.4	51.5 51.7	51.7 51.9	51.7 51.9	51.7 51.9	51.7 51.9	51.7 51.9	51.7 51.9	51.9 52.2	51.9 52.2	52.3 52.5	
≥ 8000 ≥ 7000	46.6 48.0			52.2 53.9		53.1 54.8	53.3 55.1	53.3 55.1	53.3 55.1	55.1	53.3 55.1	53.3 55.1	53.5 55.3	53.5 55.3	53.9 55.6	55.7
≥ 6000 ≥ 5000	48.5 49.1	53.7 54.6	1 1	54.6 55.6	- 1		55 • 8 56 • 8	55.8 56.8	55.8 56.8	56.8	55.8 56.8	55.8 56.8		57.0	- T - T - T -	57.4
≥ 4500 ≥ 4000	49.7 50.6	55.5 56.7	55.8 57.0	56.5 57.6	58.3		57.6 58.8	57.6 58.8	57.6 58.8	58.8	57.6 58.8	57.6 58.8		57.8 59.0	58.2 59.4	
≥ 3500 ≥ 3000	51.7 52.0	58.0 58.5	1		60.1	60.4	60.1 60.6				60.1 60.6	60.6		60.9	60.6	
≥ 2500 ≥ 2000	52.9 53.8	60.5 62.9	63.5			62.7	62.9			65.7		62.9			63.4	63.5
≥ 1800 ≥ 1500	56.3	66.5	67.3		69.5	66.5				70.2			70.6		67.4 71.0	
≥ 1200	57.5 58.4	71.0	72.4	71.5	75.2	75.5	76.0	76.0	76.1	76.1	76.1	73.1	76.6			
≥ 900	58.8 59.0	73.2	74.8	75.9 77.1	78.5	78.9	79.6	79.6	79.7	79.8	79.8				78.9 80.5 83.8	80.6
≥ 700 ≥ 600	59.0 59.0	75.6	77.6	79.4 80.3	82.3	82.9	84.0		82.8 84.3	84.4	84.6	83.1 84.7 86.9	85.3		85.6	85.7
≥ 500 ≥ 400 ≥ 300	59.0 59.0		78.6	81.8 82.0		85.5	85.7 87.0 87.7		87.4	88.0			89.4	89.5	90.1	90.3
≥ 200	59.0 59.0	76.5	78.8	82.0 82.0	85.1	86.3	88.1	88.7	89.1	90.5	91.7	91.8	92.9	93.0	94.2	95.9
≥ 100 ≥ 0	59.0	76.5						88.7						94.2	95.8	•

TOTAL NUMBER OF OBSERVATIONS ______930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLORAL CLIMATOLOGY BRANCH USAFETAC AI HEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

- 10,113 GG

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

C900-1100

CEILING							VIS	BILITY ST	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥3	≥21⁄.	≥ 2	≥≀⊁	≥1%	≥1	≥ ¼	≥%	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	43.4		43.4 47.8	43.8 48.2			43.8 48.2	43.8 48.2	43.8 48.2	43.8 48.2	43.8 48.2	43.8 48.2	43.8	44.0 48.4	44.1 48.5	44.1
≥ 18000 ≥ 16000	44.7 44.8			48.2 48.3		48.2 48.3	48.2 48.3	48.2 48.3	48.2	48.2 48.3	48.2 48.3	48.2 48.3	48.2	48.4	48.5 48.6	48.5 48.6
≥ 14000 ≥ 12000	46.9		- 1	50.2 51.5		50.2 51.5	50.2 51.5		50.2 51.5	50.2 51.5		50.2 51.5	50.2 51.5	50.4 51.7	50.5 51.8	
≥ 10000 ≥ 900C	48.5 48.6					52.3 52.6				52.3 52.6			52.3 52.6	52.5 52.8		52.6 52.9
≥ 8000 ≥ 7000	50.0 52.3			54 • 1 56 • 3		54.1 56.3				54.1 56.3	54.1 56.3		54.1 56.3	54.3 56.6		54.4 56.7
≥ 6000 ≥ 5000	53.1 54.2					57.2 58.5	57.2 58.5		57.2 58.5		57.2 58.5	57.2 58.5	57.2 58.5			57.5 58.8
≥ 4500 ≥ 4000	54 • 6 56 • 6	7.7.2		59.1 61.4	59.1 61.4	59.1 61.4	59.1 61.4	59.1 61.4		59.1 61.4	59.1 61.4	59.1 61.4	59.1 61.4	59.4 61.6		
≥ 3500 ≥ 3000	57.1 58.3	61.2 62.7				62.0 63.5	7	63.5		63.5		62.0 63.5		62.3		
≥ 2500 ≥ 2000	60.1 60.9	68.0	68.7			69.6	69.6		_=	66.8	66.8	66.8		67.0		67.1
≥ 1800 ≥ 1500	61.2 63.0	71.5	72.7	69 • 9 73 • 3	73.7		70.1 73.7		-					70.3		70.4
≥ 1200	64.9	74.8	78.7	79.4	79.7	79.8	79.8	80.0	80.0	80.0						
≥ 900 ≥ 800	65.5	79.0	80.9	81.7	82.4	82.5	82.5	82.9		81.1	81.2					
≥ 700 ≥ 600	65.5	80.6	82.7	84.2	85.4	85.5		87.0	87.2	87.3		87.6	87.7		88.1	88.1
≥ 500 ≥ 400	65.5	81.1	83.5	85.1 85.7	87.7	88.0	89.1	90.8	91.2	92.0	92.7	92.7	92.8	90.9 93.1	93.3	93.4
≥ 300 ≥ 200 > 100	65.5 65.5	81.1	83.5	85.7	88.0	88.3 88.3	89.6	91.6	92.6		95.7	95.8		96.0 97.0	97.7	96.8 98.1 99.6
≥ 100	65.5	81.1	83.5	85.7		88.3				94.3				97.1		00.0

TOTAL NUMBER OF OBSERVATIONS ______930

USAF ETAC JUL M 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

8

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GLUBAL CLIMATOLOGY BRANCH JCAFETAC AIR MEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

7025**36** 

RANDOLPH AFS TX

69-70,73-80

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

1255-1405 Hours (L.s.T.)

CEILING							vis	BILITY ST	ATUTE MIL	ES					_	
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥3	≥2%	≥ 2	≥+%	≥1%	≥1	≥%	≥ %	≥ %:	≥ 5/16	≥ 4	≥c
NO CEIUNG ≥ 20000	47.4 54.0	49.1 56.0	1	49.1 56.0	49.1 56.0	49.1 56.0	49.1 56.0	49.1	49.1 56.0	49.1 56.0	49.1 56.0	49.1 56.0	49 • 1 56 • 0	49.1 56.0	49.1 56.0	49.1 56.0
≥ 18000 ≥ 16000	54.2		56.2	56.2	56.2		56.2	56.2	56.2		56.2 56.6	56.2		56.2	56.2 56.6	56.2
≥ 14000 ≥ 12000	55.5 56.9		57.7	57.7	57.7		57.7		57.7	57.7	57.7 59.2	57.7	57.7	57.7	57.7	57.7
≥ 10000	57.4	59.8	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.9	59.0
≥ 8000 ≥ 7000	59.5	61.9	62.0	62.0	62.0		62.0	62.0	62.0		62.0	62.0	62.0		62.0	52.3
≥ 6000 ≥ 5000	62.5	64.9	65.1	65.1	65.1	65.1	65.1	65.1	65.1	_	65.1	65.1	65.1		65.1	65.1
≥ 4500	64.5			67.3		67.3	67.3	66.5	67.3	67.3	67.3			66.5		
≥ 4000 ≥ 3500	66.5	69.1 70.2			69.2 70.3		69.2 70.3	69.2 70.3			69.2 70.3			69.2 70.3	_	
≥ 3000 ≥ 2500	69.0 72.5	72.2		72.3		72.3				72.3	72.3			72.3		
≥ 2000 ≥ 1800	74 • 8	80.1		80.6	80.9		80.9 82.0			80.9 82.0	80.9 82.0	80.9		80.9 82.0	80.9 82.0	
≥ 1500 ≥ 1200	77.7	85.3		86.1	86.3	86.3	86.5	86.6	86.6	86.6		86.6	86.6	86.6	86.6	86.6
≥ 1000	78.8	88.7	89.6	90.0		7 - 7 -	90.9		91.0	91.0	91.0	91.0	91.0	91.0		91.C
≥ 800	79.1	89.9	91.1	91.6	92.3	92.6	92.9	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1	93.1
≥ 700 ≥ 600	79.1	90.3	91.9		94.2	93.4		94.1 95.5	95.6	95.6	94.1	95.6		94.1 95.6	94 • 1 95 • 6	95.6
≥ 500 ≥ 400	79.1	90.3	92.0	93.4	95.6	95.9	96.5	96.3	97.6	98.1	96.7 98.2	98.2	98.2	96.7 98.2	96.7 98.2	98.2
≥ 300 ≥ 200	79.1 79.1	90.3	92.0		95.8 95.8	96.1	96.8	98.0 98.1	98.4	99.1	99.2 99.6	99.2	99.7	99.2	99.2 99.7	99.9
≥ 100 ≥ 0	79.1 79.1	90.3 90.3	92.0 92.0	93.4 93.4	95.8 95.8	96.1 96.1	96 • 8 96 • 8	98 • 1 98 • 1	98.4 98.4	99.1 99.1	99.6 99.6	99.6 99.6		99.7 99.7		100.0

TOTAL NUMBER OF OBSERVATIONS 933

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

/72°**36** 

PANDOLPH AFB TX

69-70,73-80

DEC

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1500-1700 HOURS (L.S.T.)

CEILING							VIS	BILITY ST	ATUTE MIL	<b>E</b> 5						
(FEE ^T )	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/5	≥ 2		≥1%	≥1	≥ ¾	≥%	≥ %.	≥ 5/16	≥ 4	≥0
NO CEILING	50.3	50.9				-			50.9			50.9		50.9	50.9	50.9
≥ 20000	58.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7	59.7
≥ 18000	59.0	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1	60.1
≥ 16900	59.5	60.5	67.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5	60.5
≥ 14000	60.3	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
≥:2000	61.7	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9	62.9
≥ 10000	62.2	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4	63.4
≥ 9000	62.9	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2	64.2
≥ 8000	54.2	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7	65.7
≥ 7000	66.3	68.0	68.0	68.0	68.D	68.0	68.0	68.0	68.0	68.0	68.0	68.0	68.D	68.0	68.0	68.0
≥ 6000	67.7	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5	69.5
≥ 5000	69.5	71.6	71.8	71.8	71.8			71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8	71.8
≥ 4500	71.4		73.8	73.8				73.8				73.8				
≥ 4000	1	75.1		75.3			) :							75.3	75.3	75.3
≥ 3500	73.9		76.6			76.6			76.6			76.6			76.6	
≥ 3000		81.1		1 1	81.4			81.4					_	81.4	. •	
≥ 2500	81.1	85.6			86.5				86.5						86.5	
2 2000	82.4				88.3						88.3					88.3
≥ 1800	82.7	88.2													89.4	
≥ 1500	83.1			1 1	92.2			92.2								92.2
≥ 1200	83.8											93.9			93.9	
≥ 1200				93.8				94.9	- 1			95.1				
> 900	84.2			_							95.1	95.1			95.1	95.1
≥ 900 ≥ 800									-						95.5	
- 700	$\overline{}$			93.9				95.3 95.9		96.1					96.2	96.2
≥ 700 ≥ 600	84.4	92.3			95.6						-					
				94.7											96.9	
≥ 500 ≥ 400	84.4			95.2					-			97.6				
				95.5								-				
≥ 300	54.4			95.5												
≥ 200	34.4			95.5											99.5	
≥ 100				95.5										99.6	_	
≥ 0	84.4	92.5	94.3	95.5	97.1	97.2	97.6	98.1	98.2	98.7	99.2	99.2	99.6	99.6	99.7	100.0

TOTAL NUMBER OF OBSERVATIONS ______930

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

ELEBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

772536

RANDOLPH AFB TX

69-70,73-80

DEC

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

1800-2400

VISIBILITY STATUTE MILES CEILING IFEET) ≥2% > 1/4 ≥ 5/16 ≥10 >14 >11/4 NO CEILING > 18000 ≥ '6000

58.0 58.0 ≥ 14000 ≥ :2000 ≥ 10000 ≥ 9000 > 7000 ≥ 6000 ≥ 5000 ≥ 4500 ≥ 4000 3500 ≥ 2500 79.3 87.9 88.6 88.9 89.3 89.3 89.5 89.5 89.5 89.6 89.6 89.6 89.6 89.6 89.6 89.6 79.8 89.2 89.9 90.6 91.3 91.3 91.5 91.5 91.5 91.5 91.6 91.6 91.6 91.6 91.6 91.6 ≥ 1800 ≥ 1500 90-0 90.8 91.6 92.3 92.3 92.6 92.6 92.6 92.6 92.7 92.7 92.7 92.7 92.7 92.7 91.4 92.3 93.1 94.3 94.3 94.5 94.6 94.6 94.6 94.7 94.7 94.7 94.7 94.7 94.7 94.7 ≥ 1200 ≥ 1000 60.8 800 700 500 300 93.9 94.8 97.0 97.0 97.5 98.0 98.0 98.4 99.2 99.4 99.5 99.5 99.5 99.6 92.7

TOTAL NUMBER OF OBSERVATIONS ____

927

USAF ETAC JUL 64 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

81.0

100

92.7 93.9 94.8 97.0 97.0 97.5 98.0 98.0 98.4 99.2 99.4 99.5 99.5 99.5 99.5

GLOBAL CLIMATOLOGY BRANCH JSAFETAC AIF WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-80

DEC

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

2100-2300 HOURS (L.S.T.)

CEILING							VIS	BILITY ST.	ATUTE MILI	ES						:
(FEET)	≥ 10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥+%	≥1%	≥1	≥ ¼	≥ %	≥ ٧:	≥ 5/16	≥ '4	≥0
NO CEILING ≥ 20000	53.8 58.8	57.8 62.8	57.9 62.9	58.0 63.0	56.1 63.1	58.1 63.1	58.3 63.3	58.3 63.3	58.3 63.3	58.4 63.4	58.6 63.8	58.6 63.8	58.6 63.8	58.6 63.8	58.6 63.8	58.8 64.0
≥ 18000 ≥ 16000	59.3	63.3	63.4	63.5	63.6	63.6	63.9 64.0	63.9 64.0	63.9	64 • C	64.3	64.3	64.3	64.3	64.3	64.5
≥ 14000 ≥ 12000	60.0 60.5	64.2	64.3 65.0	64.4 65.2	64.5	64.5 65.3	64.7 65.5	64.7 65.5	64.7 65.5	64.8 65.6	65.2 65.9	65.2 65.9	65.2 66.0	65.2 66.0	65.2 66.0	65.4 66.2
≥ 10000 ≥ 9000	61.5 61.6	65.8 65.9	66.D 66.1	66.1 66.2	66.2 66.3	66.2 66.3	66.5 66.6	66.5	66.5	66.6	66.9 67.0	66.9 67.0	67.0 67.1	67.0 67.1	67.0 67.1	67.2 67.3
≥ 8000 ≥ 7000	62 <b>.</b> 2	66.9 67.4	67.1 67.6	67.2 67.7	67.3 67.9		67.5 68.1	67.5 68.1	67.5 68.1	67.6 68.2	68.5	68.0 68.5	68.1 68.6	68.1 68.6	68.1 68.6	68.3 68.8
≥ 6000 ≥ 5000	63.1 64.7	68.1 69.9	68.3 70.1	68 • 4 70 • 2	68.5 70.3		68.7 70.6	68.7 70.6	68.7 70.6	68.8 70.7	69.1 71.0	69.1 71.0	69.3 71.1	69.3	69.3 71.1	69.5 71.3
≥ 4500 ≥ 4000	66.2 67.2	71.7 73.0	72.0 73.2		72.2 73.5		72.4 73.7	72.4 73.7	73.7	72.5 73.8	74.1	74.1	72.9 74.2			
≥ 3500 ≥ 3000	68.2 69.8	74.1 76.9	74.3 77.1	77.2		74.5 77.3	77.6	77.6	77.6		78.G	78.0	78.1	78.1	78.1	78.3
≥ 2500 ≥ 2000	71.3 72.2	79.9 81.4	82.0		80.6 82.5	80.6 82.5		80.8 82.7	82.7	82.8	81.2 83.2	81.2 83.2	81.3	83.3	33.3	
≥ 1800	72.8 73.0		83.4	82.8 83.6	84.1	83.2 84.1	83.4	83.4	83.4	83.5 84.5	83.8	83.8		83.9	84.9	84.1
≥ 1200	73.7	84.7	88.6		86.3	89.4	86.5	86.5	86.5	86.6	86.9 90.1	90.1	87.1 90.2	87.1 90.2		87.3 90.4
≥ 900 ≥ 800	75.4	88.7 90.0			90.5	92.0			90.7				91.3		92.8	7.7.7
≥ 700 ≥ 600	75.5 75.5	90.7	91.8		93.2 93.6	93.6			93.4	93.5	93.9	94.5	94.6	94.6	94.6	94.8
≥ 500 ≥ 400	75.6 75.6	91.2 91.2	92.4	92.8 92.9	94.3 94.6		94.8 95.1 95.5	94.9 95.3	94.9 95.3 95.6	95.5 95.8 96.2	95.8 96.3 96.8	95.8 96.3	96.5 96.5	96.5 96.5	96.3 96.5 97.0	96.2 96.8 97.3
≥ 300 ≥ 200 > 100	75.6	91.2	92.4		94.8	94.8		95.8	95.8 95.8	96.8		97.7	98.2	98.2	98.5	98.9
≥ 100 ≥ 0	75.6	91.2					95.5						98.4	98.6		ເດຍວາ

TOTAL NUMBER OF OBSERVATIONS ______927

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SLUBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

702536

RANDOLPH AFB TX

69-70,73-80

DEC

FATION STATION NAI

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL HOURS (L.S.T.)

CEILING							viS	BILITY ST.	ATUTE MIL	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1⁄.	≥ 2	≥+%	≥11/4	≥1	≥ ¾	≥%	≥ 4:	≥ 5/16	≥ ¼	≥0
NO CEILING ≥ 20000	47.5	50.5		50.8		- 1		51.1	51.1	51.1	51.1	51.1	51.2	51.2		51.4
≥ 20000	52.5	55.7	55.9	56.1	56.2	56.2	56.4	56.4	56.4	56.4	56.4	56.4	56.5	56.5	56.6	
≥ 18000	52.7	56.0	56.1	56.3	56.5	56.5	56.6	56.6	56.6	56.6	56.7	56.7	56.8	56.8	56.9	57.0
≥ 16000	53.0	56.3	56.5	56.6	56.8	56.8	56.9	56.9	56.9	57.0	57.0	57.0	57.1	57.1	57.2	57.3
≥ 14000	54.1	57.4	57.6	57.8	57.9	57.9	58.1	58.1	58.1	58.1	58.1	58.1	58.2	58.2	58.3	58.4
≥ :2000	54.9	58.3	58.5	58.7	58.8	58.9	59.0	59.0	59.0	59.0	59.0	59.0	59.1	59.2	59.3	59.3
≥ 10000	55.5	58.9	59.1	59.3	59.4	59.5	59.6	59.6	59.6	59.6	59.7	59.7	59.8	59.8	59.9	60.0
≥ 9000	55.7	59.2	59.4	59.6	59.7	59.8	59.9	59.9	59.9	59.9	60.0	60.0	60.1	60.1	60.2	60.3
≥ 8000	56.8	60.5	60.7	60.9	61.1	61.1	61.2	61.2	61.2	61.2	61.3	61.3	61.4	61.4	61.5	61.6
≥ 7000	58.1	62.0	62.3	62.4	62.6	62.6	62.8	62.8	62.8	62.8	62.8	62.8	62.9	63.0	63.0	63.1
≥ 6000	58.8	62.8	63.1	63.2	63.4	63.4	63.6	63.6	63.6	63.6	63.6	63.6	63.7	63.7	63.8	63.9
≥ 5000	60.d	64.2	64.4	64.6	64.8	64.8	65.0	65.0	65.D	65.0	65.0	65.C	65.1	65.1	65.2	65.3
≥ 4500	61.2	65.6	65.9	66.1	66.2			66.4	66.4		66.5		66.6	66.6	66.7	66.8
≥ 4000	62.4	67.0	67.3	67.5	67.7		67.9		67.9							68.2
≥ 3500	63.2	68.1	68.4	68.6	68.7		68.9	68.9	68.9		69.0				69.2	69.3
≥ 3060	65.2	70.6		71.1	71.3				71.5		71.5		71.6	1 . 1	71.7	71.8
≥ 2500	67.0	73.8		74.5	74.8		74.9				75.0				75.2	
≥ 2000	68.2	75.8		76.6	77.0	1	77.2				77.3	77.3	77.4		77.5	77.6
≥ 1800	68.7	76.6	77.1	77.5	77.9		78.1	78.1	78.1	78.1	78.2		78.3			78.5
≥ 1500	70.0	78.9	79.6	80.1	80.6		80.9							81.2	81.2	81.3
≥ 1200	70.7	80.9	81.8	82.4	83.0		83.3	83.3			83.4	83.4	83.5	83.6	83.7	
≥ 1000	71.5	82.8	83.9	84.6	85.4											
≥ 900	71.7	83.6	84.8	85.6	86.4			$\overline{}$	86.8		87.0			87.1	87.2	87.3
≥ 800	71.9	84.6	85.9	86.8			f	88.3	88.3	'	88.5		88.6	88.6	88.7	
≥ 700	72.3	85.5	87.0	88.0				89.9	89.9		90.1	90.1	90.3	90.3	90.4	90.5
≥ 700 ≥ 600	72.1	86.0	87.6	7		90.4			91.2	-		91.5			91.7	91.8
	72.1	86.3	88.0	89.4	91.1			92.4								93.5
≥ 500 ≥ 400			:												94.7	94.8
	72.1	86.4	88.2	89.8	91.8		92.8		93.5		94.2		94.5			96.4
≥ 300 ≥ 200	72 - 1	86.4	88.2	89.9						95.0	95.6					
	72.1	86.4				92.6			_							
≥ 100 ≥ 0	72 - 1	86.4	88.3			92.6		94.4	-	95.6						
<u> </u>	72.1	96.4	88.3	90.0	92.2	92.6	93.6	94.4	94.7	95.6	96.6	96.6	97.3	97.4	98.1	0.00

TOTAL NUMBER OF OBSERVATIONS 7434

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

2

GLUBAL CLIMATOLOGY BRANCH USAFETAC AI- WEATHER SERVICE/MAC

### CEILING VERSUS VISIBILITY

722536

RANDOLPH AFB TX

69-70,73-81

ALL

STATION

STATION NAM

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

ALL

CEILING							VIS	BILITY ST	ATUTE MILI	ES						
(FEET)	≥10	≥6	≥ 5	≥ 4	≥ 3	≥ 2 1/.	≥ 2	≥1%	≥1%	≥1	≥ ¼	≥ %	≥ %	≥ 5/16	2%	≥0
NO CEILING ≥ 20000	46.4	51.8 57.5		52.4 58.2	52.5 58.4	52.6 58.5		52.7 58.6	52.7 58.6	52.7 58.6	52.7 58.7	52.7 58.7	52.8 58.7	52.8 58.7	52.8 59.7	52.8 58.8
≥ 18000 ≥ 16000	51.6 51.9	57.9 58.2			58.8 59.1	58.8 59.1	58.9 59.2	58.9 59.3	58.9 59.3			59.0 59.3	59.0 59.4		59.1 59.4	59.1 59.4
≥ 14000 ≥ 12000	52.6 53.5	59.2 60.3	59.6 60.7		60.1	60.1			60.3 61.4	61.5	61.5	60.3	60.4 61.5	60.4 61.5	60.4 61.6	61.6
≥ 10000 ≥ 9000	54.6 54.3	61.8 62.1		62.9	62.8 63.1		63.2	63.0 63.3		63.3	63.4	63.1 63.4	63.1 63.4	63.1 63.4	63.4	
≥ 8000 ≥ 7000	55.6 56.2		63.6	64.8		64.2 65.0	65.1	65.2		65.2		65.3	65.3		64.5	
≥ 6000 ≥ 5000	56.6 57.4	64.5 65.6	65.0 66.1	66.5	65.5 66.7	65.6	66.8			67.0		65.8				67.1
≥ 4500 ≥ 4000	58.0 58.7			68.4	67.6	67.6	68.8		68.9	68.9	68.9	67.8	69.0	69.0		69.1
≥ 3500 ≥ 3000	59.7 61.0	70.6	69.4 71.2	71.7	70.1	70.1	70.2		72.2	72.3	72.3	70.4	72.4			72.4
≥ 2500 ≥ 2000	63.8	73.4	74.1	74.6	77.8	75.1		78.1	78.1	78.1	78.2	75.3	78.2	75.4 78.2 79.2	75.4 78.3	_ 7 7 1
≥ 1800 ≥ 1500 ≥ 1200	64.2	76.7 79.6 82.3			78.7 81.9 85.1	78.8 82.0 85.2	82.2	79.0 82.3 85.5	79.0 82.3	79.1 82.4 85.6	79.1 82.4 85.7	79.1 82.5 85.7	79.1 82.5 85.7			82.6
≥ 1200	66.5 67.3	84.4	85.6 87.0	86.9		87.8	88.0	88.2	88.2	88.3	88.3	89.8	88.4	88.4	88.5	
≥ 800	67.8	86.5	88.3		90.6	90.7	91.1	91.2	91.3		91.5	91.5	91.5		91.6	
≥ 600 ≥ 500	68.1	87.9	90.0	91.7	92.9		93.7	93.9	94.0		94.2	94.2	94.3	94.3	94.4	94.4
≥ 400 ≥ 300	68.1	88.4	90.8	92.8			95.6 96.0	96.1	96.2	96.5	96.7	96.7	96.8	96.8	96.9 98.0	97.3
≥ 200 ≥ 100	68.1	88.5	90.9	93.0	* * * * * ]	95.1	96.1	96.8	97.1	97.7	98.2	98.3	98.6	98.7	98.9	99.2
≥ 0	68.1	88.5	1 2 7 1			· l	96.1	96.8	97.1	97.8	98.3			98.9	99.3	00.0

TOTAL NUMBER OF OBSERVATIONS

87632

USAF ETAC JUL 44 0-14-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### TOTAL SKY COVER

FOR AIRWAYS STATIONS THE SYMBOLS OF CLEAR, SCATTERED, BROKEN, OVERCAST, & OBSCURED WERE USED AS INPUT FOR THE TOTAL SKY COVER.

CLEAR WAS CONVERTED TO 0/10

SCATTERED WAS CONVERTED TO 3/10

BROKEN WAS CONVERTED TO 9/10

OVERCAST WAS CONVERTED TO 10/10

OBSCURED WAS CONVERTED TO 10/10

2

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

**SKY COVER** 

722536

RANDOLPH AFB TX

70,73-81

JAN

STATION

STATION NAME

PERIOD

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIA	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
JAN	10-02	30.9			11.9						8.4	48.9	6.0	927
	03-05	30.1			11.7						6.9	51.3	6.1	924
	06-08	19.5			15.4			-			13.9	51.2	6.8	928
	19-11	15.4			19.6						16.1	48.9	6.9	929
	2-14	15.7			24.4	<del></del>		<del>                                     </del>			16.0	43.9	6.6	930
	15-17	15.7		-	24.5			ļ			22.0	37.8	6.5	929
	8-20	20.3			24.5			<u> </u>		<del> </del>	17.4	37.7	6.1	930
	21-23	30.5			15.7						10.8	43.1	5 • 8	926
														·
to	TALS	22.3			18.5	<del></del>					13.9	45.4	6.4	7423

USAFETAC	FORM	0-9-5 (OL A	PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

9

GLUBAL CLIMATOLOGY BRANCH UNAFETAC AIN WEATHER SERVICE/MAC

**SKY COVER** 

722536

RANDOLPH AFB TX

70,73-81

FEB

STATION

STATION NAME

PERIOD

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS	L			PERCENTAG	E FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
FEB	10-02	36 • 8			10.0						9.7	43.6	5 • 5	838
	3-05	32.1		<del>                                     </del>	8.7			-		-	8.4	50.8	6.1	841
	80-0	21.3		<del> </del>	16.2						11.4	51.1	6.6	841
<del></del>	69-11	15.9			19.8	<del></del>		<del> </del>			18.9	45.4	6.8	842
	12-14	14.9		<del> </del>	28.0	<u> </u>			<u> </u>		21.2	35.9	6.3	846
	5-17	18.1	······		27.8						24.0	30.1	6.0	846
	8-20	24.5		<del> </del>	27.1						18.7	29.7	5.5	845
	21-23	38.1			15.9						13.6	32.4	4.9	843
											-			
	-													
											<del> </del> -	1		<del></del>
το	TALS	25.2			19.2						15.7	39.9	6.0	6742

LISAFFTAC	FORM	0-9-5 (OL A)	PREVIOUS EDITIONS OF THIS FORM ARE ORGOISTS

GLOBAL CLIMATOLOGY BRANCH UNAFETAC AIR WEATHER SERVICE/MAC

**SKY COVER** 

722536

RANDOLPH AFB TX

70,73-81

MAR

STATION

STATION NAME

PER!OD

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
1AR	0-02	27.8			12.8						12.9	46.4	6.2	928
	3-05	24.9			9.8						10.2	55.1	6.7	919
	6-08	14.8			16.5			1			14.7	54 • D	7.2	920
	09-11	12.5			20.6						20.1	46.8	7.1	926
	12-14	11.1			28.2						23.8	36.9	6.7	927
	15-17	12.3			29.0						25.9	32.8	6.5	927
	8-20	19.6			26.6						21.2	32.6	6.0	925
	21-23	30.9			21.3						13.7	34.2	5.3	930
	<del> </del>				-			-			+			
<del></del>											+	-		
<del></del> -	1			<u> </u>							-			
τo	TALS	19.2	<del></del>	<del>                                     </del>	20.6	_=====		<del> </del>	<del></del>		17.8	42.4	6.5	7402

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

**SKY COVER** 

722536

RANDOLPH AFB 'TX

70,73-81

APR

STATION

STATION NAME

PERIOD

MONTH

## PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN	TOTAL
MONIN	(L.Ş.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF	NO. OF OBS.
APF	0-02	24.4			11.4						14.5	49.7	6.6	896
	3-05	19.2			8.9						14.8	57.1	7.3	890
	r6-08	9.0			14.8	·~					19.7	56.6	7.9	893
	09-11	11.9		<u> </u>	16.4						26.2	45.4	7.4	900
	12-14	12.1			24.9						26.1	36.9	6.8	900
	15-17	12.0			27.6	·- <u>·</u>					27.6	12.9	6.6	900
	18-20	17.5			24.9					<u> </u>	22.6	35.0	6.3	899
	21-23	26.5			18.7						13.1	41.8	5.9	89
			<del></del>									-		
<del></del>					<del>  </del>									
	<del>                                     </del>								-					
to	TALS	16.6	- <u></u>	<del> </del>	18.5	<del></del> -					20.6	44.4	6.9	717

JSAFETAC JUL	8M 64	0-9-5 (OL A)	PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE
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GLUBAL CLIMATOLOGY BRANCH USAFETAC AIF MEATHER SERVICE/MAC

**SKY COVER** 

722536

RANDOLPH AFB TX

70,73-81

MAY

STATION

STATION NAME

PERIOD

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO OF OBS.
HAY	0-02	23.3			14.4						20.8	41.5	6.5	930
	3-05	17.4			12.0						19.2	51.5	7.2	927
	06-08	9.8	. <u>-</u>	1	14.9	-					24.7	50.5	7.7	924
	09-11	7.3	*,_		23.2						32.7	36.9	7.3	928
	12-14	8.9			28.9						36.7	25.5	6.7	930
	15-17	9.0			38.8						32.4	19.8	6.1	930
	18-20	11.9			33.0						31.8	23.3	6.2	921
	21-23	22.5			24.8						21.5	31.2	5.8	92!
			<u> </u>											
······································														
τo	TALS	13.8			23.8						27.5	35.0	6.7	742

USAFETAC	FORM JUL 64	0-9-5 (OL A)	PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET
USAPETAC	JUL 64	0-9-5 (OLA)	PREVIOUS EDITIONS OF THIS FORM ARE OBSOLE

. S GL:BAL CLIMATOLOGY BRANCH L:4FLTAC AI: *EATHER SERVICE/MAC

**SKY COVER** 

722536

RANDOLPH AFB TX

69-70,73-80

JUN

STATION

STATION NAME

PERIOD

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	CY OF TENT	HS OF TOTAL	L SKY COVER	1			MEAN TENTHS OF	TOTAL NO OF
MONIN	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	O85.
JUN	00-02	32.9			17.3						29.0	20.8	5.2	901
	03-05	17.7			16.9						37.7	27.7	6.7	899
	16-03	7.6			19.9						44.8	27.7	7.4	898
	09-11	8.1			38.0						37.8	16.0	6.1	899
	12-14	9.0			50.4						30.3	10.2	5.3	900
	15-17	10.3			60.2						20.2	9.2	4.5	900
	18-20	20.8			48.9						20.3	10.0	4.3	900
	21-23	43.3			28.8						13.2	14.7	3.5	90
			<u> </u>			<u></u>								
10	TALS	18.7			35.1						29.2	17.0	5.4	7196

USAFETAC FORM JUL 44 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

2

SLEBAL CLIMATOLOGY BRANCH USAFETAC AI: WEATHER SERVICE/MAC

**SKY COVER** 

772536

RANDOLPH AFB TX

69-70,73-80

JUL

STATION

STATION NAME

PERIOD

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	E FREQUEN	CY OF TENT	HS OF TOTA	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
JUL	0-02	40.9			28.6						21.3	9.2	3.7	92
	23-05	19.3			25.0						37.3	18.4	5.9	92
	76-08	3.7			29.3						47.0	20.0	. 7.1	92
	09-11	7.0			51.9						30.4	10.8	5.4	929
	12-14	5.1			56.8						28.6	9.6	5.2	931
	15-17	3.4			57.3						28.8	10.4	5.4	93
	18-20	8.3			53.2						27.6	11.0	5.2	929
	21-23	41.2	·		36.7						15.5	6.7	3.2	931
70	TALS	16.1		}	42.4				ļ		29.6	12.0	5.1	742

USAFETAC FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

8

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LLUGAL CLIMATOLOGY BRANCH USAFETAC ATT REATHER SERVICE/MAC

**SKY COVER** 

722536

KANDOLPH AFB TX

69-70,73-80

AUG

STATION

STATION NAME

PERIOD

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGI	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER	!			MEAN	TOTAL
MONIA	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF	NO OF OBS
AUC	0-02	42.7			28.3						18.2	10.8	3.6	928
	3-05	24.1			26.2						32.7	17.0	5.4	929
	6-08	9.1			29.4						41.7	20.8	6.7	925
	09-11	6.9			46.0		-				37.1	10.0	5.7	930
	12-14	3.0			54.8						32.1	10.1	5.5	929
	15-17	3.1			56.9						30.9	9.1	5.4	930
	18-20	9.5			52.7						28.3	9.6	5.1	930
	21-23	39.9			38.6						13.7	7.8	3.2	930
<del></del>	<u></u>													
to	TALS	17.2			41.6						29.3	11.9	5.1	7431

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

SLUBAL CLIMATOLOGY BRANCH USAFETAC ALL MEATHER SERVICE/MAC

**SKY COVER** 

732536

RANDOLPH AFB TX

69-70,73-80

SEP

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL
MUNIH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO OF OBS.
SEP	0-02	33.4			23.3	_					21.8	21.5	4 • 8	896
	03-05	23.7			18.6						27.0	30.8	6.1	894
	r6-08	13.7			22.1						35.3	28.9	6.7	896
	09-11	13.5			33.0						33.3	20.3	6.0	898
	12-14	10.9			44.0						32.0	13.1	5.5	900
	15-17	10.2			45.3						31.0	13.4	5.5	900
	18-20	19.9			38.6	•					26.1	15.4	5.0	899
	21-23	38.0			28.2						17.3	16.4	4.1	900
<del></del>														<del> </del>
			•											
TO	TALS	20.4			31.6						26.0	20.0	5 • 5	7183

USAFETAC	FORM	0-9-5 (OL A)	PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SECRAL CLIMATOLOGY BRANCH USAFETAC ATH MEATHER SERVICE/MAC

**SKY COVER** 

722536

HANDOLPH AFB TX

69-70,73-80

OCT

STATION

STATION NAME

PERIOD

MONTH

### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAGE	FREQUEN	CY OF TENT	HS OF TOTAL	L SKY COVER				MEAN	TOTAL
MONIH	(£.\$.T.)	0	1	2	3	4	5	6	7	8	9	10	TENTHS OF SKY COVER	NO OF OBS
5¢ <b>1</b>	00-02	40.3			17.4						17.6	24.6	4.6	930
	03-05	34.3			15.4						20.C	30.3	5.3	927
	D6-08	18.4			27.1						22.4	32.1	6.0	925
	09-11	18.0			30.1						26.9	25.1	5.8	930
	12-14	16.9			40.5						26.5	16.1	5.2	929
	15-17	17.8			42.5						24.7	14.9	5.0	930
	18-20	31.3			34.7						18.3	15.7	4.3	930
	21-23	46.1			20.6	-					13.4	19.8	3.8	930
<del></del>						<del>,</del>								
τo	TALS	27.0			28.5						21.2	22.3	5.0	7431

THE CLASS OF THIS FORM ARE OBSOLETE.

2

CLCBAL CLIMATOLOGY BRANCH CTAFETAC AL MEATHER SERVICE/MAC

**SKY COVER** 

732536

HANDOLPH AFB TX

69-70,73-80

NOV

STATION

STATION NAME

PERIOD

MONTH

PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS				PERCENTAG	FREQUENC	Y OF TENT	HS OF TOTAL	SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MONTH	(L S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OBS
NO V	0-02	40.3			13.8						13.9	32.0	4.9	899
	13-05	39.2			10.9						12.1	37.8	5.2	895
	C6-08	25.3			10.7						15.3	39.7	5.9	897
	79-11	21.4			23.9						21.6	33.1	6.0	900
	12-14	22.9			30.6						22.2	24.3	5.4	900
	15-17	24.1			33.1						21.3	21.4	5.1	900
	18-20	35.4			25.6						16.9	22.1	4.5	900
	1-23	45.4			17.6				į		11.3	25.7	4 • 1	900
			- ,											
						- <del></del>					1			
to	TALS	31.8			21.9						16.8	29.5	5.1	7191

USAFETAC	FORM	0-9-5 (OL A)	PREVIOUS EDITIONS OF THIS FORM ARE OBSOLET

CL.BAL CLIMATOLOGY BRANCH STAFETAC ALS SEATHER SERVICE/MAC

**SKY COVER** 

722536

RANDOLPH AFB TX

69-70,73-80

DEC

STATION

STATION NAME

PERIOD

MON!H

# PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS		_		PERCENTAG	FREQUENC	Y OF TENT	HS OF TOTAL	L SKY COVER				MEAN TENTHS OF	TOTAL NO OF
MUNIH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	OB5
of C	00-02	37.6			12.8						13.7	35.9	5.2	924
	73-05	35.0			12.9						11.4	40.7	5.5	921
	06-08	22.6			19.8						15.0	42.5	6.2	924
	09-11	17.7			22.2						19.8	40.4	6.5	929
	12-14	19.8			23.3						23.9	33.0	6.2	929
	15-17	22.2			23.2						25.0	29.6	5.9	928
	15-20	30.3			23.2						17.7	28.8	5.2	927
	21-23	38.9			16.2						13.6	31.3	4.8	922
				-										
	<del> </del>													
10	TALS	29.0			19.2						17.5	35.3	5.7	7404

FORM
1UL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

SLEBAL CLIMATOLOGY BRANCH USAFETAC AT- REATHER SERVICE/MAC

**SKY COVER** 

7.2°36

PANDOLPH AFB TX

69-70,73-81

STATION

STATION NAME

#### PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS				PERCENTAGI	FREQUENC	CY OF TENT	HS OF TOTAL	L SKY COVER	!			MEAN	TOTAL
MONTH	(L.S.T.)	0	1	2	3	4	5	6	7	8	9	10	SKY COVER	NO OF OBS
MAL	ALL	22.3			18.5						13.9	45.4	6.4	7423
FE		25.2			19.2						15.7	39.9	6.0	6742
44.0		19.2	<del></del>		20.6						17.8	42.4	6.5	7402
195		16.6			18.5						20.6	44.4	6.9	7173
" 2 Y		13.8			23.8						27.5	35.0	6.7	7421
JUN		18.7			35.1						29.2	17.0	5.4	7196
JUL		15.1			42.4						29.6	12.0	5.1	7421
AUS		17.2			41.6						29.3	11.9	5.1	7431
SEP		20.4			31.6						28.0	20.0	5.5	7183
GCT		27.9			28.5						21.2	22.3	5.0	7431
NOV		31.8			21.9						16.8	29.5	5.1	7191
DEC		28.0			19.2	<del></del> ,					17.5	35.3	5.7	7404
101	TALS	21.4	- <del></del>		26.7	<del></del>					22.3	29.6	5.8	87418

FORM JUL 64 0-9-5 (OL A) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE. USAFETAC

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

#### PART E

### PSYCHROMETRIC SUMMARIES

In this section are presented various summaries of dry- and wet-bulb temperatures, dew points, and relative humidity. The order and manner of presentations follows:

- 1. Cumulative percentage frequency of occurrence derived from daily observations and presented by month and annual for all years combined. These tabulations provide the cumulative percentage frequency to tenths of temperature by 5-degree Fahrenheit increments, plus mean temperature, standard deviations, and total number of observations in three separate tables as follows:
  - a. Daily maximum temperatures
  - b. Daily minimum temperatures
  - c. Daily mean temperatures

NOTE: Beginning in January 1964, daily maximum and minimum temperatures are routinely selected from hourly observations recorded on surface observing forms or from automated data collections for all Air Force operated stations. For those stations observing less than 24 hours per day, and where maximum and minimum temperatures are required but not recorded, these are also selected from hourly data from as early as January 1949 and later. Please refer to notations on summary pages and Station History for further information on reporting practices of individual stations.

- 2. Extreme values derived from daily observations with the extreme value selected for each year and month of record available. An annual (ALL MONTES) value is selected when all months for a year have valid extremes. Means and standard deviations are computed for months and annual when four or more values are present for any column. Two tables of daily extremes are prepared:
  - a. Extreme maximum temperature
  - b. Extreme minimum temperature

NOTE: The following symbols are used in the extreme data blocks:

- (1) * indicates the extreme was selected from a month with one or more days missing.
- (2) # indicates the extreme was selected from a month in which hourly temperatures were available for less than 24 hours for at least one day in the month.

Values for means and standard deviations do not include measurements for incomplete months.

Continued on Reverse

E - 1

F

- 3. Bivariate percentage frequency distribution and computations of dry-bulb versus wet-bulb temperature.

  This tabulation is derived from hourly observations and is presented by month and annual, all hours and years combined. The following information is provided:
  - a. The main body of the summary consists of a bivariate percentage frequency distribution of wet-bulb depression in 17 classes spread horizontally; by 2-degree intervals of dry-bulb temperature spread vertically. Also provided for each of the dry-bulb intervals is the percentage of observations with dry-bulb and wet-bulb temperature combined; and again for dry-bulb, wet-bulb, and dew-point temperatures separately. Total observations for these four items is also provided in two lines at end of each tabulation table, which may be continued on several pages.

NOTE: A percentage frequency in this table of ".0" represents one or more occurrences amounting to less than .05 percent.

- b. Statistical data for the individual elements of relative humidity, dry-bulb, wet-bulb, and dew-point temperatures are shown in the section at the bottom left of the forms. These consist of the sum of squares  $(\Sigma X^2)$ , sums of values  $(\Sigma X)$ , means (X), and standard deviations  $(\sigma X)$ . The number of observations used in the computation for each element is also shown.
- c. At the lower right of the form are given the mean number of hours of occurrence for six ranges of dry-bulb, wet-bulb, and dew-point temperatures, and total number of hours possible in the period represented. Mean number of hours is shown to tenths and indicates mean number of hours per year in the annual summary, or mean number of hours per month in the tabulation by month.
  - NOTE: Wet-bulb temperature usually was not reported prior to 1946. Relative humidity usually was not reported prior to 1949, nor subsequent to June 1958; and was computed by machine methods for observations recorded during these periods. All values of dew-point temperature and relative humidity are with respect to water, unless otherwise indicated.
- 4. Means and standard deviations These tabulations are derived from hourly observations and present the mean, standard deviation, and total number of observations for the eight standard 3-hour groups, by month and annual and again at the bottom for all hours combined. Records for all years combined are presented in the following three tables; DRY-BULB TEMPERATURE, WET-BULB TEMPERATURE, and DEW-POINT TEMPERATURE.
- 5. Cumulative percentage frequency of occurrence of relative humidity This summary is derived from hourly observations and presents the cumulative percentage frequency of occurrence of relative humidity by increments of 10% classes, plus the mean relative humidity and total number of observations in two tables.
  - a. Table 1 is prepared by month and annual, all years combined, with month being the vertical argument.
  - b. Table 2 is prepared by month by standard 3-hour groups, with the hour groups being the vertical argument and a separate page for each month. All years are also combined for this summary.

ELIBAL CLIMATOLOGY BRANCH

SCAFETAC

AT MEATHER SERVICE/MAC

7.22536 RANDOLPH AFB TX
STATION NAME

38-81

**DAILY TEMPERATURES** 

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MAXIMUM

_	TEMP (°F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
:	1.75	<del>-</del>					• 1	• 3	. 4					• 1
:	100	*				• 2	2.5	9.1	12.1	. 4				2.0
•	95	*		• 2	. 4	3.5	23.4	53.1	53.4	16.2	• 6	•		12.6
:	<u> </u>	* • 1	• 3	2.2	6.1	21.9	68.4	86.2	84.9	51.0	10.4		• 1	27.6
•	- · <del>15</del> -	• 5	1.5	8.6	24.3	56.9	90.8	96.1	95.8	79.1	37.C	4.0	• 2	41.2
•	9.7	3.6	7.9	25.3	54.9	83.0	97.2	99.0	99.2	91.3	64.5	19.5	4.1	54.1
:	75	12.5	21.5	45.9	76.9	94.4	99.5	99.8	99.7	97.6	82.0	38.3	15.6	65.3
:	75	26.1	39.7	64.4	90.2	98.9	100.0	100.0	100.0	99.3	92.2	58.4	33.1	75.2
•	65	42.6	55.6	80.7	96.0	99.8				99.8	97.1	71.6	52.1	82.5
•	6F,	56.4	71.0	89.6	98.7	99.9				100.0	99.0	84.D	68.3	88.9
≥	5.5	69.4	82.6	94.5	99.8	100.0					99.8	91.8	81.3	93.1
•	90	80.6	90.1								100.0	96.4	89.4	96.1
≥	4 5	89.5	96.3	99.2								99.1	96.1	98.3
≥	4	94.9	98.7									99.8	98.9	99.3
2	35	98.0	99.7	99.9								100.0	99.7	99.8
≥	30	99.5	100.0	100.0									100.0	100.0
	25	99.8												100.0
<u> </u>	20	130.0												100.0
2														
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#11 To 12	MEAN	60.6	65.1	72.4	79.3	84.9	91.0	94.1	94.2	88.6	81.1	70.1	63.9	78.8
	5. D.	12.073			7.370	5.947	4.965	1	4.906	6.083	7.392	10.040		14.263
-	TOTAL OBS.	1333	1194	1302	1260	1333	1260	1302	1302	1260	1331	1290	1333	15500

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

SELBAL CLIMATOLOGY BRANCH ...

ATAFETAC ATAFATHER SERVICE/MAC 722536 RANCOLPH AFB TX
STATION NAME

**DAILY TEMPERATURES** 

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MINIMUM

	TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	OCT.	NOV.	DEC.	ANNUAL
	۲ ۶						• 1							
	2.5	h				• 2	• 2	. 4	• 3	• 1				
	75	4	i		• 1	3.7	28.3	38.0	38.1	14.0	1.8		· · · · · · · · · · · · · · · · · · ·	10.
	7.0			• 5	8.5	28.8	71.7	92.6	88.0	56.7	14.4	1.8	• 2	30.
_	65	1.9	2.1	8.1	30.6	60.8	92.4		98.3	79.6	31.3	7.5	1.9	42.
	6.0	5.2	8.9	19.6	51.9	85.0		100.0	99.8	91.7	52.9	18.3	6.2	53.
	5 5	11.3	15.0	36.4	71.0	93.8	99.8		100.0	97.7	71.5	30.7	13.2	61.
:	50	20.0	30.3	54.8	84.8		100.0			99.4	86.0	48.6	24.8	70.
:	45	33.3	45.6	70.7	93.8	99.9				99.9	95.6	67.4	42.8	79.
:	4.0	52.8	66.9	84.9	97.8	130.0				100.0	98.9	83.0	63.8	87.
<u>.</u>	35	72.2	82.1	94.2	99.8						99.9	92.6	83.0	93.0
•	3 <b>3</b>	78.8	88.4		100.0						100.0	95.8	88.9	95.
•	30	86.6	93.7	98.6		<u></u>						98.1	94.3	97.0
:	<i>2</i> 5	94.2	98.7	99.5								99.5	98.6	99.
<u> </u>	20	97.7	99.7	100.0								99.9	99.9	99.
	15	99.2	99.9									100.0	100.0	99.
<u> </u>	10	99.8	100.0											100.
•	5_	100.0												100.
<u> </u>				j										
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2														
2							·							
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: -														
:													1	
:			1											
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		<del></del>		<del>-</del>										
	MEAN	40.7	44.1	50.3	58.9	65.5	71.5	73.4	73.1	68.8	59.6		43.4	58.
	S. D.	10.634	9.865	9.845	8.424	6.161		2.602	3.197	5.905			9.438	14.18
	TOTAL OBS.	1333	1. 74	1302	1260	1333	1260		1302	1260	1331	1290	1333	15500

0.00

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

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PANDOLPH AFB TX

STATION NAME

**DAILY TEMPERATURES** 

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM DAILY OBSERVATIONS)

MEAN

	TEMP (*F)	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV	DEC.	ANNUAL
	9.						. 4	1.5	1.9	• 1				• 3
	3 -	i			•1	1.4	23.4	47.2	47.8	12.4	. 7			11.1
	80	<b>+</b>		• 5	4.4	22.7	72.2	90.9	87.9	52.3	9.4			28.3
	75	•1	• 2	6.6	26.1	59.7	92.3	98.7	98.8	80.4	31.8	4.7	. 5	41.6
	75	3.5	6.5	20.7	53.5	86.9	99.2	100.0	99.9	94.0	58.8	16.9	4.0	53.7
	<del> </del>	9.9	18.3	40.5	76.3	96.2	100.0		100.0	98.7	78.9	33.1	11.9	63.6
	- Eh	20.4	31.8	61.2	91.2	99.7				99.8	92.1	52.6	27.0	73.0
	55	37.7	51.1	77.6	97.1	100.0				100.0	98.0	71.9	46.6	81.0
	£ 0	55.1	70.5	89.7	99.3			•			99.6	85.7	67.9	89.0
	45	72.2	84.3	95.9	100.0						100.0	94.1	85.2	94.3
	4.	56.3	94.4	99.0				· <del>- +</del>				98.8	94.8	97.6
	35	93.2	98.6	99.7								99.8	98.9	99.2
-	30	97.5	99.7	99.9								100.0	99.9	99.7
	25	99.2	99.9	100.0						•			100.0	99.9
	20	99.8	100.0					· · · · · · · · · · · · · · · · · · ·						100.0
_	15	130.0												100.0
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. = 2	MEAN	5C.8	54.8	61.5	69.3	75.3	81.4	83.9	83.8	78.9	70.5	59.9	53.8	68.7
	S. D.	10.434	9.458	9.037	6.909	5.254	4.192		3.539	5.275	7.183	9.172	8.844	13.770
 T	OTAL OBS	1333	1194	1302	1260	1333	1260	1302	1302	1260	1330	1290	1333	15499

USAFETAC FORM 0-21-5 (OL 1) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

**EXTREME VALUES** 

MAXIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION STATION NAME

38-81

YEARS

#### WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
38		<del>+</del>			90	9.5	97	9.8	95	96	85	82	
39	75	8 3.	93	98	99	98	106	98		93	83	83	
40	76	94	89	93	92	94	95	100	98	92	80	76	100
41	77	74	87	91	91	9 5	98	102	99	92	83	90	102
42	82	79	91	89	94	104	97	99	95	91	85	86	104
43	87	84	88	92	96	101	102	103	98	90	86	82	103
44	76	84	86	93	95	98	106	103	99	94	83	73	106
45	76	83	88	92	100	100	102	105	99	90	88	80	105
46	75≠	74							964	86	84	79	
47	8.2	81	87	88	96	98	101	102	98	9 3	88	791	102
48	73	82	88	95	96	100	100	104	97	92	88	81	104
49	8 3	82	91	88	96	98	96	100	96	91	89	82	100
50	84	81	97	89	93	96	98	100	100	92	88	81	100
51	81	81	87	98	95	98	103	104	102	93	89	84	104
52	80	87	91	90	94	95	97	101	100	90	85	78	101
5 <b>3</b>	8.3	82	88	94	93	102	101	104	101	93	80	79	104
54	81	90	94	89	93	98	107	101	99	95	80	84	107
5 <b>5</b>	80	82	93	94	101	98	100	101	95	92	87	90	101
56	81	88	89	89	94	100	101	100	99	94	83	81	101
57	80	88	87	84	89	95	102	100	98	89	82	79	102
58	75	76	81	92	94	97	100	100	95	89	81	78	100
59	79	89	87	87	94	97	96	98	98	94	84	75	9.8
60	74	88	87	88	94	101	101	97	94	91	8.3	76	101
61	74	78	85	93	95	94	92	96	97	90	85	78	97
52	76	88	83	90	92	94	103	106	96	96	89	75	106
63	84	83	87	95	96	99	98	100	99	91	85	72	100
64	77	72	79	87	95	96	101	101	96	89	83	83	101
65	78	75	85	91	87	94	99	98	98	88	82	77	99
6 <b>6</b>	75	73	85	90	92	93	100	98	96	94	85	84	100
67	82	78	93	94	99	101	102	105	92	86	89	79	105
MEAN													
S. D.												I	
TOTAL OBS													

NOTES + (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A) # (AT LEAST ONE DAY LESS THAN 24 OBS)

8

GLIBAL CLIMATOLOGY BRANCH

USAFETAC

AT HEATHER SERVICE/MAC

### **EXTREME VALUES**

MAXIMUM TEMPERATURE

(FROM DAILY OSSERVATIONS)

722536 RANDOLPH AFB TX
STATION NAME

38-81

YEARS

#### WHOLE DEGREES FAHRENHEIT

MONTH YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
6.8	77	77	84	87	91	92	97	100	95	90	83	76	10
69	82	33	84	84	90:	98	101	103	96	92	88	75	10
70	79	79	82	89	91	92	97	98	97	8 8	85	82	91
71	. 38	82	99	93	94	98	100	94	96	87	81	83.	101
72	90	83	89	92	86	95	99	94	95	90	84	77	99
7.3	75	73	81	84	94	92	92	93	91	86	84	83	91
74	78	84	94	91	92	96	101	97	91	8 5	80	75	10
75	88	7.9	89	8 9	91	97	99	97	95	90	87	80	99
76	75	82	91	85	87	93	93	98	92	8 5	78	76	91
77	8.0	86	84	90	91	96	100	101	99	96	82	84	10
73	77	84	81	8.5	94	95	100	97	91	86	84	83	100
79	71	82	8.3	84	90	93	96	95	93	96	81	17	91
80	79	88	87	91	90	105	103	100	97	<b>*</b> 89	85	82	10
81	76	78	86	91	96								
MEAN	79.2	82.0	87.6	90.2	93.3	96.9	99.5	99.8	96.5	91.0	84.3	79.5	101.
S. D.	4.235		4.384		3.299		3.388	3.120				3.948	2.82
TOTAL OBS	1333	1194	1302	1260	1333	1260	1302	1302	1260	1331	1290	1333	1550

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OL A) # (AT LEAST ONE DAY LESS THAN 24 OBS)

8

#### **EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS;

722536 PANDOLPH AFB TX
STATION NAME

38-81

#### WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC	ALL MONTHS
3 &					52	67	70	66	54	41	23	28	
30	<b>3</b> .3	28.	34:	35	58	6.5	69	6.3		4.0.	36	28	
43	14	29	33	33	5.5	58	64	60	49	44	28	31	14
41	27	32	34	47	56	64	69	67	63	47	33	34	2
42	21	28	35	44	48	6 3	67	66	43	48	34	30∦	23
43	17_	32	22	5.2	57	68	69	71	56	42	34	.72	
44	22	29	32	43	4.7	66	69	64	61	4 2	30	29	27
4.5	34	34	42	36	48	65	70	7.0	5.5	39	35	26	26
46	30≑	40							65	4.5	42	26	
4.7	19	29	32	41	58	69	69	6.8	5.5	58	39	331	19
48	23	25	22	46	58	64	70	68	54	46	33	33	20
49	8	31	39	40	60	62	70	6.8	58	44	40	30	
50	30	33	33	47	62	6 5	70	68	64	5 5	29	20	20
51	16	12	31	39	56	65	73	70	60	54	28	23	12
52	35	35	31	42	54	6 3	70	70	61	4 3	35	29	29 29 29 20
5.3	28	33	39	42	49	53	70	6.8	60	5.0	35	25	2
54	29	34	35	47	48	6 4	71	72	60	4 3	38	32	29
55	31	27	30	52	61	57	71	73	67	44	29	28	2.
56	29	26	34	44	61	69	70	67	61	5 2	34	33	26 26
57	26	41	33	40	52	62	73	71	58	37	32	26	20
58	31	25	35	48	58	68	69	67	60	4.8	32	27	25
59	23	33	35	39	63	67	69	68	57	45	24	31	21
60	24	22	31	45	49	64	70	68	55	44	31	28	27
61	26	30	37	33	46	59	67	58	52	4 3	36	23	25 21 22 23
62	8	30	26	35	50	64	68	66	57	44	35	26	ŧ
63	14	23	30	45	54	64	66	70	5 3	50	33	22	
64	12	26	31	41	52	54	68	69	60	36	32	25	13
65	23	25	24	44	48	6.3	68	64	55	40	34	33	1:
66	16	23	28	45	56	59	68	63	58	37	28	23	16
67	23	25	31	52	47	63	61	6.3	4.7	42	34	28	2
MEAN								$\Box$					
\$. D.													· ·
TOTAL OBS										7		J	

NOTES * (BASED ON LESS THAN FULL MONTHS)

0-88-5 (OLA) # (AT LEAST ONE DAY LESS THAN 24 OBS)

#### **EXTREME VALUES**

MINIMUM TEMPERATURE

(FROM DAILY OBSERVATIONS)

722536 RANDOLPH AFB TX
STATION NAME

38-81

VEARE

#### WHOLE DEGREES FAHRENHEIT

MONTH	JAN.	FEB.	MAR.	APR.	MAY	JUN.	JUL.	AUG.	SEP.	ост.	NOV.	DEC.	ALL MONTHS
68	26	29	29	43	54	59	64	63	53	43	30	24	2
69	19	32	31	4.7	45	5 8,	70	6.5,	58	44	25	27_	1
73	13	26	31	37	44	5 3	65	64	55	34	23	30	1
71	25	2.3	23	35.	46.	68	68,	67	52:	50	38,	33,	2
72	18'	22	32	38	56	5 9	60	67	54	45	30	19	1
73	<b>2</b> 0	23	38	34	45	5 7	68	61	55	48	35,	26	2 2 2 1
74	25	23	38	4 3	59	5 8	69	69	4.8	4.2	32	32	2
75	22	27	31	38	59	5 8	67	67	47	43	27,	29	2
76	15	31	31	40	46	56	66	65	5 3	36	19	24	1
77	19	29	33	45	60	63	70	71	64	41	32,	24	1
78	24	23	25	41	46	6 3	68	69	58	4 2	39	21	2 1 2
79	19	30	36	43	46	5 5	67	66	52	42	23	26	1
50 <b>51</b>	28 <b>32</b>	28 22	21 40	36 45	56 50	62	69	67	6 3	¢ 35	33	31	2
MEAN S. D.	22.5 6.794	27.8	31.9	42.0 5.056	52.9	62.2 4.182	68.3 2.627	66.8 3.245	56.4 5.260	44.1 5.200	31.9 5.032	27.4 3.941	20 • 5 • 3 4
TOTAL OBS	1333	1194	1302	1260	1333	1260	1302	1302	1260	1331	1290	1333	1550

NOTES * (BASED ON LESS THAN FULL MONTHS)

USAF ETAC JUL 44 0-88-5 (OLA) (AT LEAST ONE DAY LESS THAN 24 OBS)

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#### **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX JAN 70,73-81 YEARS 0000-0200 HOURS IL. S. T. I PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 23 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 / 69 • 6 1.0 68/ 67 .1 .9 9 9 16/ 65 7 4/ 63 .1, 1.3 17. • 5 12/ 61 .1:1.2 • 3: 21 21 11 29 29 .2.2.4 24 18 58/ 57 38 38 25 25 5. / 55 39. 39 21 . 8 . 3 4/ 53 1.5 • 6 33 33 . 2 . 1 2/ =1 50 1.5, 2.3 50 5./ 47 .1 1.2 1.3 35 35 17 4./ 47 .8 2.4 1.1 1.1 59 59 .5 3.0 1.8 1.4 4:/ 45 73 52 57 44/ 43 .4 2.7 1.6 57 49 43 42/ 41 .3 3.5 1.5 1.5 73 49 • 6 73. 67 • 6 .9 2.5 4.2 81 81 79 3:/ 37 71 48 .4 3.3 1.9 1.0 66 66 63 .3 2.7 2.6 1.0 63 3-/ 33 .3 2.5 1.3 • 2. • 3 43 43. 65 64 2, 31 60 78 .6 1.6 2.2 1.1 29 30/ 29 1.0 1.6 29 37 56 7-1 27 1.2 1.2 23 23 43 42 . 9 0 / 25 . 3 14 14 34 40 24/ 23 8 <u> 30</u> • 2 . 6 13 12/ 21 . 1 31 18 187 17 16/ 15 14/ 13 1./ 11 13 11 13/ 9 7 1/ -1 Mean No. of Hours with Temperature Element (X) No. Obs. Rel. Hum. ± 0 F ≤ 32 F Dry Bulb Wet Bulb Dew Point

0-26-5 (OLA) REVISED MEYIOUS EDITIO

USAFETAC 1064 0.24.5

AD-A113 704	AIR FORCE ENVIRONMENTAL RANDOLPH AFB+SAN ANTON FEB 82	L TECHNICAL APPLICATIONS CEN 10, TEXAS, REVISED UNIFORM S	TERETC F/G 4/2 . UMMARY OF SURETC(U
UNCLASSIFIED	USAFETAC/D5-82/012	SB1-AD-F850 152	NL
4 · * <b>5</b> ·			

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#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME 70.73-81 JAN. PAGE 2 0000-0200 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 930 TOTAL 5.443.429.611.8 6.8 1.1 1.5 .4 930 930. PREVIOUS EDITIONS OF THIS HORM ARE ORSOLETE Meen No. of Hours with Temperature Element (X) No. Obs. = 67 F = 73 F + 93 F Rel. Hum. 75.716.342 10 F ± 32 F = 80 F 5577761 70403 930 Dry Bulb 40848 43.910.257 930 12.9 1.5 1891892 Wet Bulb 37903 40.810.475 20.5 .9 1646713 930 93 Dew Point 33680 930 38.6

0-26-5 (OL A) 2 3

### **PSYCHROMETRIC SUMMARY**

722536 KANDOLPH AFB TX 70.73-81 YEARS DATE PAGE 1 0300-0500 HOURS (L. S. T.)

Temp.									DEPRE							TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23	24 25 - 2	6 27 - 28	29 - 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb D	New P
75/ 69		3	:													3	3	1	
68/ 67	_ 1.		·			1	ļ		i				1			12	12	3	
66/ 65	1.	3 • 3	3	1	-										i	15	15	11	1
64/ 63	.3 1.			1	İ		İ					1			1	17	17	16.	1
62/ 61		5 . 1		•					ľ				1		1	9	9	15	1
£1/ 59	.4.1.	5 . 2	2		1	. 1	:									23	23	17.	1
rc/ 57	.3 2.	2 . 3	• 2		• 3	• 2	Ĭ					-		: 		33	33	18	2
54/ 55	.3 1.	6 .4	·	<del></del>	2	3	i					<u> </u>	<u> </u>		<u> </u>	27	27	. 27	2
4/ 53		6 1.2	. 4		. 3		ı					1		:	I	24	24	17	1
64/ 51.	.3 2.	0:1.3	5	. 3	. 1	• 1	! 1						· -		<u>.</u>	44	44	17	1
5E/ 49	.1 2.	7 2.4	• 3	. 1	3	. 3								1	1	58	58	36	2
45/ 47	.4 2.	0 1.6	9	. 1	. 2	. 2	L						1		↓	51	51	54	3
44/ 45	.5 2.	7 1.3	. 8	.6		1										55	55	5.3	4
44/ 43	.6 2.	7 1.7	1.3	. 4	l								1	Ĺ	<u>.                                    </u>	63	63	55	
42/ 41.	.6 3.	3 2.0			• 3		ĺ					(			Ī	77	77	55	5
41/ 39	1.1 2.	7 3.3	3 , 2	.1	i	İ	<u> </u>				L				<u>i                                     </u>	69	69	75	4
38/ 37	. 4 4 .	9 1.5	1.0	. 4	1						1			:		77	77	82	5
76/ 35	. 3, 3.	3 1.8	1.1		!				ii						<u> </u>	61	61	77	5
34/ 33	-1 2.	4 1.9	1.0	. 1											i	51	51	62	4
32/ 31	1.0 2.	6 1.6	1.1	• 2							L				<u> </u>	60	60	57	7
30/ 29	. 3 1.	3 1.6	. 3	ł	Ī							ļ		;		33	33	64	6
20/ 27	1.	5 1.4	b ₁			<u> </u>	l		ļ				1		<u> </u>	27	27	32	5
26/ 25	-1 -	4 . 4	).	1	1		l					Ì			ŀ	9	9	34	3
24/ 23		4	.1				L		L					Ш.	<u> </u>	13	13	<del></del>	
22/ 21		8 .3	. 2		:								i		-	12	12	10	3
20/ 19		4	ļ	<u> </u>			<u> </u>						<del></del>		<b></b>	4	4	13	
15/ 17	•	3	;			1	1							Ì	1	3	! 3	6:	2
16/ 15		<u> </u>	<u> </u>		Ĺ	<u> </u>	L						↓		<b></b>	<u> </u>	·	4,	1
14/ 13	1	1	1		j				1						1				
12/ 11		<del></del>	<u> </u>	<u> </u>		L	ļ		L					ļ	<del> </del>	<b></b>	<b></b>	<del></del>	_1
16/ 9	1		i	1	l	i	1		1				1			<b> </b>	i	1	
6/ 7	<u> </u>	<del>-</del>	<del> </del>	<u> </u>	<b></b>		L		L		<b>  </b>		<del> </del>		<del> </del>	1	ļ	+	
+/ 5	1	i	i		1	ļ						1		ļ				1 1	
4/ 3	1	1	-			1		<u> </u>					1		<u> </u>	اــــــا	<u> </u>	<u> </u>	
Element (X)	ZX,		<u> </u>	ž X		X	· *A		No. Ob	••						h Temperat			
Rel. Hum.			<del> </del>				ļ				10F	= 32 F	≥ 67	F	≥ 73 F	≥ 80 F	× 93	F To	etal
Dry Bulb			<u> </u>					<del></del>					<del> </del>			<del> </del>	<del></del>		
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Dew Point			1		- 1		ì	- 1				l	1	ı		1	1	1	

C NOBM 0-26-5 (OLA) ##"

SAFETAC FORM

ومردا أوادا يوادوا والمستعلق والمرازي الماري المتعوية

#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX TO 73-81 VEARS PAGE 2 1300-1500 HOURS IL. S. T.T.

TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Peint WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) -21 -37.746.828.411.0 3.0 1.8 1.3 y 30 930 Element (X) Mean No. of Hours with Temperature No. Obs. Rel. Hum. 5814259 72037 77.515.882 930 10F ± 32 F *67 F * 73 F * 80 F 1795312 1582587 Dry Bulb 39674 42.710.520 930 16.1 93 Wet Bulb 37045 39.810.730 930 23.9 93 Dew Peint 1342483 35.613.173 40.9

IAC FORM 0-26-5 (OLA) REVISED PREVIOUS EDITIONS OF THIS FORM ARE DISCULTED.

#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME 70.73-81 JAN 0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 3 7. / 69 • 3 10 6 1 67 . 8 10 14 14 10 5 £6/ 65 1.4 .1 44/ 63 13 17 .3 .8 . 3 16 .2 1.0 14 62/ 61 14 11 11 . 3 9 51/ 59 1: 1.6 €./ 57 1.1.1.4 . 1 25 • 1 25 31 56/ 55 1.2 20 20 4/ 53 35 35 14 • 3 .8 1.3 . 1 12/ 51 .2, 2.3, .6, _2 38 38 • 1 • 2 50/ 49 . 6 39 .3 1.8 1.4 . 2 43 43 27 4-1 47 .3 1.8 1.9 1.0 36 52 52 40/ 45 65 .5 3.5 1.6 1.1 65 40 34 • 1 . 1 71 44/ 43 .5 1.8 1.9 1.9 59 59: 36 50 . 3 67 42/ 41 .4 2.2 1.4 2.2 67 34 40/ 39 1.0 4.5 2.5 81: 81 70 39 38/ 37 .6 4.7 1.1 1.0 76 76 89 70 .3 3.7 2.3 31/ 35 78 58 63 63 3-/ 33 .1 2.7 1.6 47 47 57 64 68 77 72/ 31 .5 2.6 3.0 64 . 8 .6 1.8 1.6 3:1 29 42 42 53 56 32 48 57 28/ 27 1.7 1.4 34 39 26/ 25 • 3: 1.1 19 24/ 23 . 3 . 9 72/ 21 8 8 14 10 7 71/ 19 10 .6 • 2 18/ 17 • 2 . 2 23 10/ 15 18 14/ 13 • 1 12/ 11 1./ 2/ 6 6/ 5 Mean No. of Hours with Temperature Element (X) Rel. Hum. = 67 F = 73 F = 80 F Dry Bulb Wet Bulb Dow Point

C 108th 0-26-5 (OLA) REVISE REVIOUS ESTIONS OF THE

والمنتف والأحار والمعتبين والمعتا

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AI4 WEATHER SERVICE/MAC 70.73-81 722536 RANDOLPH AFR TX 0600-0800 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point (F) -2/ -3 -4/ -5 TOTAL 7.847.726.911.9 3.4 1.4 930 930 930 930 Element (X) +67 F = 73 F → 93 F * 80 F

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930

930

930

s 32 F

18.3

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93

0-26-5 (OL A)

Rel. Hum.

Dry Bulb

Wet Bulb

5784132

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1538236

1294386

71912

39039

36462

32516

77.315.513

42.010.622 39.210.817 35.013.186

### **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX STATIC IAME 70.73-81 0900-1100 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | West Bulb | Dew Paint 76/ 77 76/ 75 74/ 73 1 . 1 1 721 71 8 • 1 11 7./ 69 • 2 • 5 11 .8 68/ 67 1.0 25 10: 14 66/ 65 .1 1.0 • 2 23 23 16 •2 27 27 13 10 54/ 63 • 2 £27 61 .1 1.5 . 2 29 29 14 • 2 • 1 • 1 38 38 34 · il 59 <u>.3 1.7</u> <u>. 3</u> 16 50/ 57 • 5 • 5 . 5 • 5 43 43 20 1.5 . 6 • 2 . 1 26 50 50/ 55 .2, 1.1, 1.1 50 26 54/ 53 .5 1.4 1.0 • 3 57 1.4 . 1 52/ 51 37 .3 1.6 1.4 56 56 51/ .3 1.3 1.6 1.4 . 8 56 56 31 49 45/ 47 .2 2.9 .6 1.3 . 4 57 57 63 34 4: / 45 .2 1.6 1.5 1.5 1.1 58 58 76 59 39 44/ 43 .2 1.4 1.6 1.0 1.2 59 42/ 41 .1 1.4 1.9 1.4 . 1 54 54 63 41/ 39 .6 3.2 1.2 . 6 67 67 69 40 31/ 37 .9 3.4 .8 1.2 . 1 64 64 84 72 • 5 45 34/ 35 1.3 1.2 1.1 45 57 34/ 33 32 32 46 55 .6 1.2 1.1 . 4 1.2 1.7 36 37 32/ 31 36 54 11 34 42 36/ 29 . 1 . 8 • 1 11: 1.0 39 35 28/ 27 16 16 28 24 2t/ 25 26 24/ 23 22/ 21 52 22 18/ 17 14/ 13 11 Element (X) Mean No. of Hours with Temperature - 80 F Rel. Hum. 10 F ≤ 32 F ≥ 67 F ≥ 73 F * 93 F Dry Bulb Wer Bulb Dew Point

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY **JSAFETAC** AIR WEATHER SERVICE/MAC 722536 RANDOLPH AFB TX
STATION NAME 70,73-81 MONTH 0900-1100 HOURS (L. 5. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 15.7 3 اع 3 5 4/ 5/ -1 -21 -3 TOTAL 4.330.521.117.612.2 7.2 3.3 2.2 1.0 .4 930 930 930. 930 0-26-5 (OL A) Mean No. of Hours with Temperature Rel. Hum. 10 F ≤ 32 F ±67 F = 73 F = 80 F = 93 F 68.620.087 4755760 63830 930 Dry Bulb 47.710.710 2222292 44358 9 30 6.8 4.7 Wet Bulb 1819615 39979 43.010.426 930 15.2 1.0 Dew Point

- 4

أنداء دامان يبنيه بكالمسافة بعيريبيي ليف

### **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX
STATION NAME 70,73-81 1200-1400 HOURS 1... S. T. PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 98/ 87 °6/ 85 º 2/ 81 • 1 86/ 79 • 1 781 77 8 • 5 a 76/ 75 17. 17. . 4 . 2 74/ 73 . 4 . 4 . 9 . 2 . 4 . 2 .1 • 1 26 26 72/ 71 29. 29. 76/ 69 .5 1.1 . 2 45 45 • 1 40 40. 66/ 67 11. 3 56/ 65 • 3 . 4 37 37 23 12 • 3 . 8 . 8 29. . 2 38. 7 38. 54/ 63 . 4 • 3 19 f 2/ 61 • 3 60 28 46 30 16/ 59 66 66 50/ . 4 . 8 . 8 1.0 55 55 38 31 57 . 9 . 6 1.1 47. 50/ 55 • 3 1.0 39 39 39 • 2 . 6 . 8 . 8 42 42 4/ 53 4 Ü 21 . 4 1.1 • 6 37 37 47 56/ 49 • 5 53 53 61 28 1.5 1.6 • 5 . 3 • 3 46/ 47 1.1 • 9 . 6 . 8 49 49 73 32 1.1 . 6 46/ 45 44 44 76 35 • 5 1.4 • 5 . 8 1.1 • 4 44/ 43 1.3 .9 1.0 . 9 43 43 59 42 52 52 42/ 41 57 39 1.2 1.2 1.6 • 5 39 .6 . 9 57 57 54 4:/ 2.5 . 9 62 37 36 36 3 - 1 59 . 8 .5 1.1 • 8 • 5 66 30/ 35 24 43. 66 1.2 • 3 . 3 10 33 39 34/ 33 10 32/ 31 . 3 5 36 45 30/ 29 8 8 31 33 28/ 27 16 26/ 25 24/ 23 25 22/ 21 36 Zx, ZX No. Obs. Meen No. of Hours with Temperature Rei. Hum. 4 0 F 1 32 F 267 F 273 F 280 F ≥ 93 F Total Wet Bulb

D-26-5 (OLA) NEWSO MEMOUS TOTICHIS OF THIS FORM ARE OBSOLETE

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## **PSYCHROMETRIC SUMMARY**

22536 STATION	<u> </u>	H AFB TX	ION NAME			7 <u>0.73-</u>	o.1	YE	NRS				MONTH
											PAGE	?	1200-140 Hours (L. S. T.
Temp.						E DEPRESSION					TOTAL		TOTAL
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Element (X)	ž _X ,	Z,		· X		No. Obs.	╫		Mean No	f Hours with	Temperatu	re .	
Rel. Hum.	3472		53154		21.637	930	= 0 F	≤ 32 F	≥ 67 F	≥ 73 F	⇒ 80 F	→ 93 F	Tetal
Dry Bulb	2870		50472		11.907	930		1.6	17.2	5.8	.5		
Wet Bulb	2114		43290		10.342	930		9.1	1.9			<u> </u>	9
Dew Point	1484	166	34874	37.5	13.781	930	1	34.2	. 5		}	ì	<u> </u>

أراب والمعاملين والمساحوري

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME JAN PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 58/ 87 .1 2 º6/ 85 32/ 81 . 1 1 1 5./ 79 10: 10. <u>. 5</u> 70/ 77 .1 1.2 . 2 • 2 . 1 . 2 23 23 76/ 75 .4 1.2 .8 .1 -1 -1 36 74/ 73 . 1 • 3 . 1 . 3 .5 . 4 . 8 25 . 1 25 .2 72/ 71 <u>• 9</u>; -1 1.0 .6 41 70/ 69 • 2 . 6 . • 9 • 5 • 2 - 4 .4 1.1 • 2 . 2 45 10 45 6:1 67 • Z 16/ 65 • 1 .2 1.2 . 4 . 8 .5 1.4 • 9 .5 58 26 10 58 14/ 63 1.1 . 4 . 8 . 2 . 8 . 8 .6 55 55 34 10 12/ 61 • 5 . 8 . 8 .9 1.4 57 57 32 . 4 • 6 • 6 10 f 5/ 59 • 3 . 2 . 4 • 5 40 • 3 1.1 40. 63 29 . 9 58/ 57 . 2 1.0 1.2 1.4 • 9 . 1 • 1 53 53 21 37 56/ 55 • 2 . 1 .6 . 9 . 4 . 4 .1 1.2 37 37 51 27 4/ 53 . 8 .1 1.2 • 3 • 6 • 3 • 6 • 3 40 40 44 25 r2/ 51 . 9 1.0 . 2 36. 36 51 36 51/ 49 .2 1.5 1.6 . 6 . 1 . 8 55 55 65 29 47 • 3 34. 79 34 46/ 45 . 9 1.2 1.2 1.2 1.1 5.3 53 67 32 .8 1.2 44/ 43 1.7 .5, .8 49 49 63 40 42/ 41 .9 1.2 • 5 .8 1.3 44 44 54 41 40/ 39 30/ 37 .6 1.2 1.6 43 43 46: 59 1.1 . 2 • 3 19 19 67 60 36/ 35 • 6 13 42 56 34/ 33 1.1 12 39 55 22/ 31 . 6 32 49 3L/ 29 11 36 28/ 27 16 <u>35</u> 26/ 25 48 24/ 23 36 22/ 21 32 Element (X) Z×, ZX No. Obs. Mean No. of Hours with Temperature Rel. Hum. 4 0 F ≤ 32 F ≥ 67 F = 73 F = 80 F = 93 F Dry Bulb Wet Bulb Dew Point

70.73-81

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#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME 70.73-81 JAN MONTH 1500-1700 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 23 1. / 17 19 21_12 14/ 13 8 10 1// 11 17/ 9 7 2 ICTAL ... .912.011.511.212.313.113.010.5 6.9 3.5 2.3 1.7 .2 930 930 930 930 ZX' No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 20 F 267 F = 73 F = 80 F = 93 F 49716 53.521.695 930 3094984 Dry Bulb 3100673 52457 56.412.355 930 1.5 21.7 9.8 1.0 93 Wet Bulb 47.510.183 2195789 93 44187 930 6.3 Dew Paint 1476843 34867 34.0

THIS FORM EDITIONS OF

0-26-5 (OL A) 2 3 2 3

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME

70.73-81

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### **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX STATION NAME 70.73-81 1800-2000 HOURS (L. S. T.) PAGE 2

Temp.						WE.	TBULB	TEMPE	RATURE	DEPR	ESSION	(F)						TOTAL	<u> </u>	TOTAL	
(F)	0	1 - 2	3 - 4	5 - (	6 7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	<b>a</b> 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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Element (X)		ZX	1	+	ZX	<del>-i</del>	i R	•	<del></del>	No. Ol	<u> </u>				Mana Ma	-4 %-		Tempere	<u></u>		
Rel. Hum.			2910	•		138		519.9			30	± 0 f		32 F	# 67 F		73 F	≥ 80 F	- 93 f	· , 7	otel
Dry Bulb		<u> </u>	291J 8722	<u> </u>		058		10.6			30			3.5	7.	o	1.0	<del></del>		<del></del> -	
Wer Bulb			<u> </u>			558	<u> </u>	7 9.9	51		30		<u> </u>	10.8	1.	_	I O U	<b> </b>	+		
Dew Point			<u>4903</u> 5823			773		13.0			30			14.3		5			+-		- 9
			دعمد	_			<u> مرد</u>	7						100		71		<u> </u>			

#### **PSYCHROMETRIC SUMMARY**

722536 PANDOLPH AFB TX STATION NAME 70.73-81 JAN PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Buib (F) Wet Bulb Dew Poin 5 71/ 69 5 . 4 68/ 67 • 5 66/ 65 1.0 • 1, . 2 17 17 12 12 22 4/ 63 . 5 .6 .8 22 8 £2/ 61 1.8 1.1 • 5 • 1: • 1 • 1 36 36 8 • 1 5./ 59 1.2: .9 .1 30. 30 29 .2 • 2 5 / 57 . 4 . 2 • 1 . 1 55 55 32 29 3.2 1.2 . 6 5t/ 55 .1 1.3 1.6 .6 50. 42 27 . 5 • 3 4/ 53 • 5 38 38 22 42 .3 1.3 1.1 2/ 51 .3 1.2 1.8 . 6 47. 47 • 2 • 5 • 2 56 56 50 14 50/ 49 .2 1.1 2.0 .8 1.2 40/ 47 .4 2.5 1.8 1.1 66 66 53 43 59 59 46/ 45 2.3 1.1 1.8 • 5 61 53 44/ 43 58 58 54 .4 1.8 1.5 1.4 42/ 41 .1 3.0 2.2 2.3 1.4 86 86 65 53 .6 2.4 2.8 1.7 1.0 79 79 4:/ 39 79 46 3:/ 37 .2 2.7 1.9 . 4 54 54 80 48 • 5 .1 1.9 2.0 1.2 53 53 78 3t./ 35 60 .3 .3 1.5 1.0 34/ 33 30 30 64 • 1 72/ 31 .5 2.0 .9 37 37 38 68 3.3/ 29 .5 1.2 19 19 35 43 . 1 • 2 12 36 2 - 1 27 12 35 . 4 • 5 24/ 25 • 1 • 5 6 6 18 51 24/ 23 . 2 11 27 22/ 21 • 1 37 21/ 19 35 19/ 17 14 11 14/ 13 1.7 9 41 7 +/ 5 No. Obs. Mean No. of Hours with Temperature - 93 F Rel. Hum. 2 0 F s 32 F ≥ 67 F = 73 F - 80 F Dry Bulb Wet Bulb Dew Point

TAC FORM 0-26-5 (OL A) REVISED MEYIGUS EDITIONS OF THIS FC

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### **PSYCHROMETRIC SUMMARY**

70.73-81 YEARS PAGE 2 2100-2300 HOURS (L. S. T.)

Temp.				_		WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	. 0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25 - 26	27 - 28	29 - 30	<b>231</b>	D.6./W.6.	Dry Bulb	Wet Bulb C	ew Po
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Element (X) Rel. Hum.		ZX'			ZX	-	X	· · ·		No. Ob	$\rightarrow$		4 39 =	Meen N ≥ 67		73 F	h Tempere	a 93 F	7	etal .
Dry Bulb			3999		667 430			17.5 9.9			30 30	± 0 F	1 32 F		.6	/J F	- 80 P	* 73 F	<del>-   '</del> '	9
Wet Bulb			6450		393			10.0			30		14.7		. 8			<b>†</b>		9
Dew Point			197		343	53	36.9	12.8	34		30		35.8		. 4		1	<del>                                     </del>		9

According to the

#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point F8/ 87 • 0 56/ 85 • 0 P2/ 81 .0 30/ 79 .0 14 14 . 2 . 0 32 32 78/ 77 . 0 . 1 • Oi . 0 . 0 • 0 • 0 76/ 75 •0 •0 •0 58 58 74/ 73 •0 • 1 • 1 .0 58 . 1 • 1 • 1 • 1, • 1 72/ 71 89 89 . 1 • 3i . 2 . 2 . 1 . 1 137 137 • 1 71.7 69 . 1 171 62 40 661 67 . 8 -1 • 1 £6/ 65 • 3 • 0 202 202 118 78 • 0 . 8 • 3 • 1 233 233 145 90 64/ 63 • 6 . 3 . 2 273 273 144 90 .1 1.0 52/ 61 . 4 304 304 263 144 UJ/ 59 .2 1.3 . 6 58/ 57 356 356 223 225 .2 1.7 • 5 • 5 • 5 • 5 . 4 . 2 315 315 274 56/ 55 1.0 213 236 . 8 320 320 185 54/ 53 . 8 • 3 • 3 • 0 52/ 51 .2 1.4 • 5 358 358 289 182 . 6 389 • 5 . 5 423 423 201 50/ 49 .2 1.6 1.7 . 4 . 1 285 48/ 47 426 426 468 .3 1.8 1.2 1.0 46/ 45 .2 2.0 1.2 1.2 461 461 489 311 44/ 43 440 440 487 318 . 5 .3 1.9 1.4 1.1 42/ 41 .2 2.3 1.5 1.4 507 507 486 346 . 6 537 <u> 396</u> 537 540 41/ 39 .7 .7 2.7 2.1 . 8 • 2 38/ 37 .3 2.8 1.1 • 5 432 432 608 467 355 494 .0 355 514 .2 1.8 1.5 33 .1 1.1 1.2 . 6 247 247 405 434 . 2 278 278 364 511 72/ 31 1.1 1.4 . 8 . 7 35/ 29 1.0 159 159 297 . 2 • 1 • 1 248 25/ 27 . 8 • 7 121 341 . 3 . 3 20/ 25 . 1 45 45 176 325 24/ 23 • 0 33 33 75 216 313 22/ 21 . 0 25 25 48 . 2 247 Element (X) Mean No. of Hours with Dry Bulb Wet Bulb Dew Point

70.73-81

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### **PSYCHROMETRIC SUMMARY**

722536 MANDOLPH AFR TX
STATION NAME MONTH 70.73-81 PAGE 2 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 1.7 17 16 161 • 1 8. 153 16/ 15 •0 89 3 1 14/ 13 • 0. 1./ 11 85 50 1 / 9 ·/ 5 18 4/ 9 4/ 1: 3 ./ -1 -./ -3 -4/ -5 4.131.022.614.3 9.4 7.0 4.7 3.1 1.8 1.0 .5 7440 7440 TOTAL . 0 7440. 7440 No. Obs. Element (X) Rel. Hum. = 67 F = 73 F = 80 F = 93 F 2 0 F 1 32 F Total 37704810 504942 68-120-621 7940 Dry Bulb 18195819 356943 48.011.999 7440 68.5 56.6 16.9 744 Wet Bulb 319740 43.010.763 7440 744 14602886 126.9 9.3 Daw Point 36.613.284 744 11286897 272411 7440 293.8

0-26-5 (OL 1 1

عالجاء والمحافظ المنهج الرسار منها

#### PSYCHROMETRIC SUMMARY

RANDOLPH AFB TX FEB 772536 0000-0200 MOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 (F) 2 7./ 69 .2 .1 .5 .1 6./ 67. 20 20 11 4 . 1 16/ 65 .8 1.4 44/ 63 1.5, 1.3, .2 28 28 27 43 43 37 h2/ 61 .9 2.2 1.3 .2 .4 45 45 34 EL/ 59 .1. 2.0. 1.9. • 2 5 / 57 . 2 . 6 41 41 31 25 43 43 45 36 54/ 55. 4/ 53 .1 1.5 1.2 .9 • 5 • 1 50 50 29 37 527 51 43 43 31 28 .5 1.1 1.9 .8 3.8 1.9 1.8 . 4 87 87 47 36 50/ 49 55 4c/ 47 51 32 .1, 1.5, 1.3, 1.9 73 41/ 45 .2 2.7 2.2 1.7 73 61 34 1.1 57 41 44/ 43 3.0 2.1 . 9 <u>57.</u> 73 42/ 41 1.7 1.1 1.3 . 5 41 41 65 41 41 48 42/ 39 1.2 1.7 1.3 . 7 . 7 42 42 51 50 3c/ 37 .1 2.1 1.3 . 7 37 37 48 .1 2.0 . 9 54 35 . 9 40 40 45 42 34/ 33 1.7 2.1 • 1 . 8 . 9 . 9 31 59 72/ 31 42 42 3./ 29 .6 8 8 33 26/ 27 16 29 26/ 25 24/ 23 27 72/ 21 19 24/ 19 14 1:/ 17 10 16/ 15 11 14/ 13 4 846 846 3.836.429.215.5 8.0 3.4 1.8 1.3 .2 TOTAL No. Obs. Mean No. of Hours with Temperature Element (X) 846 1 32 F +67 F +73 F +80 F +93 F 74.217.404 10 F Rel. Hum. 4913848 62774 Dry Bulb 2094338 41246 48.8 9.936 846 3.3 3.1 84 10.0 84 Wet Bulb 1799755 38039 45.010.286 846 40.213.052 Dew Point 1512221 34023 846

70.73-81

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#### PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION NAME. 70.73-81 FER PAGE 1 0300-0500

WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.8 - W.B. Dry Bulb Wer Bulb Dew .7 .4 1.2 . 5 6-1 67 23 23 56/ 65 8 1.3 • 2 64/ 63 .1 2.1 • 7 . 1 28 28 24 13 £2/ 61 3.2 . 8 43 43 38: 24 62/ 59 2.7 1.2 • 1 . 1 35 35 32 39 5-/ 57 2.6 .2 32 34 5: / 55 . 6 • 1) . 4 .1 3.2 41: 41. 31 30 4/ 53 1.9 .6 41: 41: 38 39 £2/ 51 .5 1.3 1.2 . 7 37 37 17 30 51/ 49: .7 2.8 1.7 1.1 66 66 42 24 40/ 47 .1 2.0 1.1 1.2 47 47 26 4±/ 45 1 4.4 2.1 1.1 75 75 7.7 45 44/ 43 4.0 1.5 1.2 61 61 74 28 42/ 41 2.6 2.0 • 2 63 63 8 3: 52 41/ 39 .2 1.7 1.4 • 1 36. 36 45 34 37 .7 .2 3.0 37 4.8 48 36/ 35 .2 2.7 2.0 . 2 51 51 54 50 34/ 33 2.2 1.5 1.2 43 49 72/ 31 .1 1.7 27 27 46 51 71/ 29 9 9 28/ 27 . 2 . 4 . 1 6 6 15 32 2:/ 25 -2 . 9 24/ 23 . 2 20 22/ 21 21/ 19 26 14/ 15 13 14/ 13 12/ 11 ICTAL 4-546-624-612-4 5-4 3-8 1-3 845 845 Zx' Element (X) No. Obs. Mean No. of Hours with Tomperature

Rel. Hum. 5179645 76.317.399 47.110.286 ≥ 67 F ≥ 73 F 64505 845 Dry Bulb 1963900 39800 5.6 845 2.3 84 Wet Bulb 1714221 36989 43.810.613 845 12.8 84 33272 84

### **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX STATION NAME FEB 70.73-81 0600-0800 HOURS IL. S. T.I PAGE 1

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Temp. (F)	0 1-2	3 - 4	5.4	7.9			13 - 14					23 . 24	25 . 24	27 . 28	29 . 36	2 31		Dry Bulh		Dew Poin
+		<del></del>		<del></del>	7.10	2	.3 . 14	.3 - 16	1.7 - 18	17 . 20	41.44	23 - 44	-3 - 20	-/ - 20		+	20	<del></del>	<del></del>	<del></del>
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/ 65	9			<b></b>		•			<del> </del>		<del> </del>	<del> </del>	<del> </del>	<del> </del>		+	43			1.4
64/ 63	-5 2 - 8		• 5				• 1					i				1	37	1		
62/61	1 3.6	• 6		<del></del>		<del></del>			<del></del>	<del></del>	<del> </del>					+	36			
62/ 59 57 S	•5 2•2 •5 1•8	• 8 • 4			• 5	1	į '	• 1	1			ļ				1	25			
54/ 55	•5 2 • 8		. 4				.6		<del></del>		<del> </del>	<del> </del>		<del></del>		+	46			
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<u>54/ 53</u> 52/ 51	.4: 1.9		• •	4.	2			-	+		<del></del>		<del> </del>	<del> </del>		+	29			
5 / 49	1 3.4	.2 .1.5	• 5	• 4	• 1				1			ļ	l	į			61			
4 / 47	.2 2.7		• 5		• 2		<del>   </del>		+	<del> </del>	+		<del> </del>			+	54			
46/ 45	5.2	.6 1.2				.1		:	i	i		İ	l	1		1	75			_
44/ 43		102		• <b>&lt;</b>	•2 •1		<del></del>		+		<del></del>				<del> </del>	+	55	+		
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42/ 41			1.1	• 4	.1	<del></del>					<del>†</del> -					+	60			
40/ 39 m 35/ 37 m	.5: 2.2					i	! !		i		1			[		1	. 60		_	
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34/ 33	2.0		1.1						<del> </del>	<del></del>	<del> </del>	·	<del></del>			+	32			
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35 / 29 26 / 27	.7					<u> </u>			<del> </del>		<del> </del>					+	16			
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0.42	4673260	20.7	1100	302	202	107	• 7	••	1	[	ĺ		i	ĺ		1	845	1	845	
Element (X)	Zx'	<u> </u>	<del> </del>	E X	<del>'</del>	X	-	<u> </u>	Ne. Ob	4.			<u> </u>	Mean I	lo. of 1	lours wit	h Tempere		943	
Rei. Hum.		0380		653	90		17.2			45	10		32 F	2 67		= 73 F	> 80 F	· 93	F	Total
Dry Bulb		5349		392			10.4			46		· · ·	7.1		•0			+	-+	84
Wat Bulb		5522		366			10.8			45			13.8		.6		<del>                                     </del>		_	84
Dow Point		5774		330			13.4			45			30.3		.6		<del>+</del>			84

## **PSYCHROMETRIC SUMMARY**

72536 RANDOLPH AFB TX 70,73-81 FEB MONTH

PAGE 1 1900-1100 Hours (L. 5, T.)

																					L. S. T.)
Temp.											ESSION (			·	<del></del>			TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
7-1 77								i	1	. 1		• 1						2	2'		
76/ 75.			L				<u> </u>	<u> </u>	<u> </u>	<u> </u>	L		1	1				1	1		<u> </u>
74/ 73		• 1			ı	:		1	l.	. 1	. 2	i		Į.				5	5		
72/ 71			1	2	4	2		<u> </u>	لمل	Ú	ļ		-1	L	L			10	10	1	1
70/ 69	. 1	.1	.6	. 1	. 4			1	L	. 2	.1							15	15	2	1
68/ 67.	. 4	5	1.4	9	7	.7	———			1	. 4					$\rightarrow$		47	47	5	4
667 65	. 1	1.3	2.0	1.4	. 4	. 6	1	.	2	. 1	. 1					1		54	54	14	. 5
54/ 63.	. 4	2.6	1.2	1.3	. 4	.2	. 5	<u> </u>	5	1	<u> </u>	<u> </u>			ļi_			60	60	36	17
62/ 61	. 5	1.9	. 8	. 7	.6	. 5	. 2	. 4	1	. 5	. 1			!		i		53	53	58	38
6C/ 59		1.9	. 7	6	4	. 7	. 6	4	. 4	<b>I</b>	ļ •							4.7	47	4.8	44
54/ 57	. 2	1.9	1.1	. 6	.7	. 6	. 9	. 5	. 2	· l	1				!			57	57	39	40
5./ 55.	2	2.1	7			. 4	1.1			1	L							5.8	58	4.4	
54/ 53	. 2	1.3	.8	. 6	• 2	1.1	. 7	. 7	• 1	Ü	ì			[				49	49	45	36
52/ 51.		1.4	. 9			1.2	5	ا م	L		-				LL			5.2	52	44	. 34
50/ 49	. 2	1.5	1.7	. 5	1.1	. 8	. 9	. 1	L.	,	1			1		1		58	58	41	30
44/ 47		2.7							1	İ				!				5.7	57	64	
41/ 45	. 1	2.1	. 8	. 7	. 4	.7	. 4				i			Ĭ				44	44	69	
44/ 43.	1	8	. 8	. 8	.2	. 6	_	ļ	ļ					i				29	29	69	1
42/ 41		1.5	1.2	. 8	. 7		1							Ī		i		37		53	44
40/ 39	1	1.7	. 9	. 8	. 9		L	i	i .	1				; 	<u>.</u>	1		38	38	49	32
38/ 37		1.2	. 7	.7	• 2				ĺ						1			24	24	46	
3t/ 35	1		. 7	1.2				L				<u>          i                          </u>			<u> </u>			23	23	37	39
34/ 33	İ	.7	. 4	. 4				1			ĺ	1 1		i		i		12	12	31	41
72/ 31		7	1	1	1			L	l	L				<u> </u>				9	9	27	61
31./ 29		. 1																4	4	14	39
21/ 27				. 1						L _				L				1	1		23
26/ 25	ļ			1					ĺ		ĺ	1 1						1	1	1	24
24/ 23								<u> </u>	ļ <u>-</u> _	<u> </u>		<u> </u>		i						1	21
22/ 21																				1	31
2-/ 19									1							1					21
18/ 17									-												13
16/ 15																			i		15
14/ 13														i							4
6/ 5								L		<u> </u>	<u> </u>	1							1		1
Element (X)		Z _X ,			ZX		Ţ	•		No. O	8.				Mean He	. of Hou	rs wit	h Temperat	lure		
Rei. Hum.												± 0 1	• •	32 F	≥ 67 F	. 7	73 F	- 80 F	• 93 F		Tetal
Dry Bulb																					
Wet Bulb																					
Dew Point																					

A. C. 26-5 (OLA) sevise mevious e

SAFETAC PORT 0-26-5 (OLA

> والما والمرابعهم والمناسب المعهومين الما الماسي والمتعلقية للماسين أراجه المجولات

#### **PSYCHROMETRIC SUMMARY**

722536 STATION	RANDOLPH AFB TX STATION NAME	70.73-81 YEARS	FEB
		DACE 2	0000-1100

HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL : TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 21 | D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 2.829.018.615.411.1 9.3 6.4 2.6 2.2 1.3 846 TOTAL 846 846 846 ţ Mean No. of Hours with Temperature Element (X) No. Obs. 57103 45173 Rel. Hum. 4252085 67.521.696 846 10F ± 32 F 2 67 F 2 73 F 2 80 F ≥ 93 F 1.4 Dry Bulb 2498587 53.410.119 7,9 84 846 . 8 47.8 9.944 Wet Bulb 2019894 40474 846 5.1 84 . 8 35032 84 Dew Point 1607024 846

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#### PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION NAME
STATION NAME 70.73-81 FEB YEARS 1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 94/ 83 1 . 1 1 22/ 81 FC/ 79 . 2 • 5 . 2 . 1 . 1 16 16 . 4 151 77 . 2 21 21 76/ 75 . 7 . 2 • 6 . 1 41 41 • 1 .4 1.4 - 6 ___9. 74/ 73 46 • 2 . 8 72/ 71 • 2 . 2 . 5 . 2 51 51. .5 1.1 1.7 . 2 . 4 3 70/ 69 54 54 <u>.</u>9. . 4 6c/ 67 • 5ⁱ . 4 .6 1.3 . 7 58 58 22 2 • 1 . 4 • 6 . 8 . 6 16/ 65 59 . 8 59 59 53 10 • 5 .8 1.5 64/ 63 • 5 . 8 • 8 • 6 54. £21 61 . 7 - 5. 1.2 . 4 - 4 54. 46 36 rc/ 59 48 48 55 . 4 . 8 • 5 . 4 . 2 . 8: 44 .5 .5 .6 52/ 57 1.4 45. 45 60 33 .8 .6 - 6 .4 . 8 35. 35 45 56/ 55 • 2 . 1 . 8 . 1 53 54/ 53 . 4 . 6 27 27 48 38 • 6 .6 42/ 51 . 7 .7 . 7 • 5 . 7 . 7 40 40 46 50 . 7 54/ 49 .7 29 29 56 30 .7 46/ 47 .1 1.2 . 4 32 32 70 39 46/ 45 • 1 38 73 29 1.9 38 44/ 43 20 20 44 42 . 6 . 8 15 15 42/ 41. 39 32 • 5 .2 5ء 4(/ 39 . 9 22 22 33 36/ 37 12 46 34 36/ 35 . 4 . 1 • 1 22 48 34/ 33 37 32/ 31 . 2 11 52 29 2: / 27 42 24 24/ 23 24 22/ 21 20/ 19 29 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 2 0 F ≤ 32 F ≥67 F = 73 F = 80 F = 93 F Tetal Dry Bulb Wet Bulb Dew Point

D. 26-5 (OLA) REVISED MEVICUS EDITIONS OF THIS FORM /

'AC 1084 0-26-5 (OLA)

## **PSYCHROMETRIC SUMMARY**

22536 STATION	RA	NDOL	PH A	FB T	X TATION NA	ME				70.	73-8	1		YEA	urs .				FE	B TH
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Wet Bulb			7803		432		51.1				46		<del></del>	1.9	2.		* * * * *	+	<del></del>	8
Dew Point			1878		349		41.4							25.1			+	+		8
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0-26-5 (OLA) senses menous residus or mis no

USAFETAC NOM 0-26-5 (OLA)

# **PSYCHROMETRIC SUMMARY**

EANDOLPH AFR TX
STATION NAME 70,73-81

1500-1700 PAGE 1

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76/ 75		• 2	• 2	• 6	1.3	1.2	• 7	• 7	. 4	.4	• 6	. 8	• 1			6.3	63		
<u> 147. <b>73</b>.</u>		1	_ <b>2</b> .	2	1.3	1.1	8	- 5	- 4		- 4	. 4,			-+	47.	47.	1_	
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4/ 63	.4 .4	• 2	1.1	• 7		• 6		1.7	1.2	1 • 2 _]	1		- 1			62	62	52	1
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Wet Bulb													T						
Dew Point								[ _		- 1		T -	- 7						

USAFETAC FORM 0-26-5 (OLA)

# **PSYCHROMETRIC SUMMARY**

22536 STATION	RANDOLPH AFE	STATION NAME		7 <u>0.73-8</u>	<u> </u>	EARS			FEB MONTH
								PAGE 2	1500-170 HOURS (L. S. T.
Temp.	<del></del>	WI	ET BULB TEMPERATUR	RE DEPRESSION	(F)			TOTAL -	TOTAL
(F)	0 1 - 2   3 - 4 5	-6 7-8 9-1	0 11 - 12 13 - 14 15 -	16 17 - 18 19 - 20	21 - 22 23 - 24 25 - 26	27 - 28 29 - 3	0 • 31	D.B. W.B. Dry Bull	Wet Bulb Dew P
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lement (X)	2396830	41016	48.521.981	846	± 0 F = 32 F		= 73 F	≥ 80 F ≥ 93	F Total
ry Bulb	3505897	53485	63.212.139	846	307 = 327	<del>+</del>	22.7	5 . 4	10.01
er Bulb	2358719	43955	52.0 9.420	846	1.5		•1		<del></del>
Dew Point	1546886	34350	40.613.420	846	26.7		<del></del> +		<del>-    </del>

USAFETAC FORM 0.26-5 (OL A) REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE REVISE RE

### **PSYCHROMETRIC SUMMARY**

STATION NAME

70.73-81

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1800-2000 HOURS ILL S. T. PAGE 1

																		HOURS IL	. S. T.
Temp.						BULBT										TOTAL		TOTAL	
(F)	0 1-2	3 - 4	5 - 6	7 · 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 16 1	9 - 20 2	1 - 22 2	3 - 24 25	- 26 27 -	28 29 -	30 - 31	D.B./W.B.	Dry Bulb	Wet Bulb I	Dew Po
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72/ 71	•	2 • 1		• 8	-	• 6	• 1:	• 2	. 4	. 4	• 1	• 1				41	41	3	
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6/ 65		2• 7		1.4	7	5.	6	- 4;	2.	2	<del></del>				<del></del>	. 49.	49.		
64/ 63	•1 •			• 6	_ :	• 6	• 5	• 8	- 1	• 2	• 1		1			46	46	_	1
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56/ 57			6.	6		B	5	_ <u>-1</u> _	-1							. 46.	. 46.		
51 / 55	•			• 7	-	1.7	• 5	• 5	• 1							58	58	48	. 4
54/ 53		5 1	7	- 9		1.5		2								. 44.	44.	51.	5
52/ 51 S	1.			. 7	-		• 4									43	43	45	4
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Element (X)	ΣX'			X		X	·,		No. Obs	·[			Mo	en He. e	f Hours wil	h Temperati	JF#		
Rel. Hum.											± 0 F	≤ 32	F	67 F	e 73 F	= 80 F	• 93 F	;	Fetal
Dry Bulb																			
Wer Bulb																			
Dew Point																			

USAFETAC 1044 0.26-5 (OLA) REVISE MENOUS EDITIONS OF THIS FORM ARE DESCRETE

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME 70.73-81 FEB 1800-2000 HOURS (L. S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | ≥ 31 | D.B.√W.B. Dry Bulb Wer Bulb Dew Point (F) 16/ 15 14/ 13. 137 11 16/ 9 :/ 3 TOTAL .613.413.913.414.413.012.3 7.1 5.2 2.6 1.4 1.1 1.3 .2 846 846 846 ZX No. Obs. Element (X) Zx' Ŧ Mean No. of Hours with Temperature 57.021.409 3139592 48254 846 5 0 F ≥ 67 F ≥ 73 F ▶ 93 F 1 32 F Ory Bulb 57.711.015 48776 2914692 20.5 846 6.6 84 Wet Bulb 2141264 41790 49.4 9.543 846 2.8 1.6 84 Dew Peint 34220 40.413.344 1534634 846 26.4 84

C FORM 0.26-5 (OL A) REVISED MENTOUS EDITIONS OF THIS FORM ARE DISCUSTED

# **PSYCHROMETRIC SUMMARY**

722536 PANDOLPH AFB TX
STATION NAME 70,73-81 FEB

> PAGE 1 2100-2300

																	HOURS IL.	5. 7.
Temp.				,			TEMPER						T- 1		TOTAL		TOTAL	
(F)	0 1-	2 3-4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25 - 26	27 - 28 29	- 30 2 31	D.B./W.B. (	ory Bulb	Wet Bulb D	ew Po
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£2/ 61.	8. 1.	7 1.9	2.1.5	7	. 4	. 4	5,	2	1	<del></del>	·			<u> </u>	69.	69_	50	2
tü/ 59	1.	1 2.2	2 .1	• 1	• 6	. 2	• 2		1	1			1		40	40	42	3
<u>50/ 57.</u>	1	8. 1.	5,	9.	1				<b></b>				<del></del>		48,	48.	42.	4
5·/ 55	.1 1.	2 1.	3 1.1	1.8	1.3	. 8	• 1		1						66	66	50	4
<u> </u>		8	7.1.3	1.5	6	4		1	<b></b>				· 		48.	48.	33,	4
2/ 51	•5 1•	9 .9	1.2	1.9	1.2	• 2	• 1				i				67	67	31	3
5./ 49.		6 1.	2. 1.4		7	1	5,		<del></del>				<u></u>		68	68.	59	3
48/ 47	1.	4 1.1	1.5	i		. 4			l i	1	1		i		52	52	64	3
46/ 45.	1.	8,	7. 1.4	1.3		<b></b>			•	·			· 		45	45,	72.	3
44/ 43	1.		5 1.4	. 8	• 2	• 1			,						50	50	8 0	2
42/ 41+		.9	1.1.2	. 7	7								·		<del>37,</del>	37.	43,	5
4:/ 39	•	6 .8	3 1.1	1.1	• 2	1									32	32	45	4
30/ 37.		1	Z4	- 4		<del></del>			į	<u> </u>	-				. 22.		53	4
3c/ 35	.1 1.			• 1		i I			1				İ	1	30	30	37	4
34/ 33		5 1.				ļ <u> </u>	<b></b>						<u> </u>		17.	17_	41	4
'2/ 31		2 . (	• 5							!	. :				11	11	25	5
7 / 29;		4	2	<del></del>		ļ			ļ	<u> </u>	-				5	5	22	4
2./ 27	:								]	ŧ			!	,	!		9	3
2.5 <b>/ 25</b>		<del></del>	+			ļ			ļ	<u> </u>		<del>-</del>			+		4	2
24/ 23	1					į				!					! '			1
22/ 21				<b></b>		ļ	<b></b>			ļ					<del></del>			2
21/ 19		i					1					i		1		- 1	,	2
16/ 17		+	+ +							<del></del>	-		<b></b>		+			
16/ 15		1										1		Í			•	1
14/ 13		+	<del> </del>			ļ				<del> </del> -		<del></del>	<b>-</b>					1
16/ 9		i				]	ſ					į				i		
<u>ام</u>		<del></del>	<del>  </del>	+									<u> </u>	$\rightarrow$	<del>                                     </del>			
OTAL	2.824.	122.0	20.1	14.5	8.7	3.3	1.8	• 5	• 6	• 7	. 2	:		-	1	846	,	84
4	Z _X ,		ب	<u> </u>						<del></del>				100	1 846		846	
lement (X)			_	Z X		X	· · ·		No. OL						h Temperatu			<del></del> -
		5159		577			19.0			46	= 0 F	≤ 32 F	≥ 67 F	+ 73 F	- 80 F	▶ 93 F	To	tal
Dry Bulb Wet Bulb		7696		440			9.8			46		1.6	5.8	<b></b>		<del></del>	<del></del>	8
		4710		397			9.8			46		6.0			<del> </del>	<del> </del>		8
Dow Point	15	6027	1	345	85	40.9	13.1	64	8	46		24.5	8					8

### **PSYCHROMETRIC SUMMARY**

722536 STATION	RAN	DOL	PH A	FB T)	ATION NA	AMÉ				/110	73-81			YE	IRS				FE	
									_								PAGE	1	HOURS IL	ا۔
Temp.										DEPRES							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18 1	9 - 20 2	11 - 22 2	3 - 24 2	25 - 26	27 - 28 29	- 30 * 31	D.B./W.B.		Wer Built (	0.
58/ 87	í	,			- 1				Í	1	1	i	• 0	ł	• 0	-	2	2		
F6/ 85	i								Ļ		0		• 0				<b>⊥2</b> ,	2,		
14/ 83									1	• 0	• 0	• 0	• 1	• 0	!	!	15	15		
52/ 81				+			<u> </u>	1	-1	• 1	-1	-1	•0	1,			31	31,		
86/ 79		1					• 1	. 2	• 3	• 0	• 0	• 0	• 1	• 0	• 0	1	58	58		
70/ 77		i		• 0,		. 1	• 3	. 2	1		•1	1,_	_•1	<u>• 1</u> ;	<u>• G</u>		83	83,		
76/ 75			• 0	• 0	• 2	. 4	• 3	• 2	. 1	• 1	• 1	• 2	• 2	• 0	*	:	124	124		
74/ 73		.0.	-1.	• 1.	2.	. 3	. 3	. 2	1	• 1	-1	.1	-1				120	120		
72/ 71		• ŋ [!]	• 1	• 2	• 3	• 5	• 3	• 1	2	• 2	• 2	• 1	• 1	1		1	149	149	11	
7_/ 69	• 1	.1:	. 4	.4	. 3	. 4	• 3	• 2	, 2	• 2	•1	.0	• 1				202	202	16.	
65/ 67	• 3	• 3	. 8	• 7	. 4	• 5	• 3	• 2	• 3	• 3	. 1	. 2	1			i	295	295	87	
66/ 65	• 0;	. 7	1.1	. 6	. 4	• 3	• 2	. 3	. 4	• 3	. 3						310	310	171	
64/ 63	• 2	1.5	. 9	. 7	. 4	. 3	• 3	. 2	.6	• 3	. 1	• 0	Į	-	-	1	365	365	268	
12/ 61	. 4	1.8	. 8	. 7	. 5	. 3	• 3	. 4	. 4	. 3	. 0		i			İ	399	399	360	
601 59	• 1	1.4	1.3	. 4	• 2	. 5	. 4	• 5	. 3	• 1	. 0	i			- :	•	362	362	353	
58/ 57		1.6	. 8	• 3	• 5 _i	. 5	.7	3	1	• 0	1	!		1		i	331	331	346	
5t/ 55	• 1	1.8	• 6	• 5	.6	. 5		. 3									368	368	363	_
54/ 53		1.0	. 5	• 6	• 6	. 8		. 3		1	i		:	1	+	!	314	314:	326	
°2/ 51	•2	1.3	.9	. 6	. 8	. 7		• 2					i				339	339	294	
51/ 49		2.2	1.2	. 9	. 8	.7		• 2	1		i		1	1			448	448	405	
40/ 47		1.6	.7	1.0	. 8	• 5		.0				T					344	344	450	
44/ 45	. 1	2.7	1.1	1.1	.7	.5		i	į			i	1	- 1			421:	421:	494	
44/ 43	•0	2.0	1.2	. 8	• 5	. 3											324	324	520	_
42/ 41		1.5	. 9	1.0	. 6	. 2			1		1	į	-		ı		282	282	433	
45/ 39	•1	1.1	1.2	. 8	.6	• 1										1 -	259	260	364	_
38/ 37	- 1	1.7	. 7	• 5	. 4	•.1			ļ			j	1	1		,	235	235	367	
36/ 35		1.3	. 9		• 1	٠٠٠			l								215	215	325	_
34/ 33		1.1	. 8	• 5	. 1		ł i	1	1		1	i		1		į	169	169	270	
32/ 31	- 0	.7	.5		.0				<u> </u>			-					100	100	217	_
30/ 29	• 5	. 4	. 3	-1					}		1		1	1	}		4.7	47	165	
2:/ 27	+	. 1	• 2	•0								- +			$\neg \neg$		23	23	82	_
26/ 25		. 1	. 2	. 0	!		ĺ		[		ł	i	I	1			17	17	36.	
24/ 23		.1	. 1	.0					-								12	12	21	_
22/ 21	:	-	. 0	1	i		!		[		-	1	1	-	ĺ	1	1	î	18	
Element (X)		×,			z x	$\neg \neg$	· · ·	• _X	<del>'</del>	No. Obs	. –†				Meen No.	of Hours wi	f Temperet	re .		-
Rel. Hum.						<del>-  -</del> -		^				± 0 F	1 9 9	32 F	≥ 67 F	≥ 73 F	≥ 80 F	≥ 93 F		l et
Dry Bulb													+	<del></del>		† <del>* * * *</del>	+	+	<del></del>	
Wet Bulb						+		<b></b>			-+		-+			<b></b>	<del> </del>	<del> </del>		-
Dew Point			<del></del>			-+-							+			<del> </del>	+	<del> </del>	<del></del>	
L JOH . GIRT						i		1	1		_ 1					L	<del></del>	1		

GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATR WEATHER SERVICE/MAC 722536 RANDOLPH AFR TX
STATION NAME 70.73-81 FER WET BULB TEMPERATURE DEPRESSION (F)

1 · 2 3 · 4 5 · 6 7 · 8 9 · 10 11 · 12 13 · 14 15 · 16 17 · 18 19 · 20 21 · 22 23 · 24 25 · 26 27 · 28 29 · 30 ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 20/ 19 187 14/ 17 104 93 16/ 15 14/ 13 177 11 21 17 2/ 7 4/ 3 TCTAL 2.528.018.313.410.1 8.3 6.2 4.3 3.5 2.2 1.4 .8 6767 . 6766 6766 6766 ₹ ğ 11 Element (X) Z x' ZX No. Obs. Mean No. of Hours with Temperature ≥ 67 F > 73 F 32324462 65.422.384 442464 6766 Dry Bulb 20478800 363016 53.612.186 6767 19.9 107.3 43.2 7.6 672 Wet Bulb 47.410.472 15954283 6766 53.8 320823 672 Dew Point 40.413.383 12269258

#### PSYCHROMETRIC SUMMARY

HANDOLPH AFB TX 70.73-81 MAR YEARS 0000-0200 HOURS (L. S. T.) PAGE 1

WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 74/ 73 74 71 24 24: . 2 57 3 71/ 69 .1 1.9 3.2 • 1 57 14 58 58 50. 33 6c/ 67 <u>•9, 1•7, 1•5, 1•1</u> 66/ 65 1.3 2.4 1.7 . 1 • 3 • 1 60 60 56 61 • 3 51 51 38 37 14/ 63 .5 2.4 .5 .3 <u>. 3</u> 62/ 61 .1 4.3 .9 65 65 53 36 .1 . 1 46/ 59 .1, 4.2, 2.0, 1.6, 100 םם נ 55 47 .4 1.8 1.7 . 4 . 8 • 3 59 59 64 58 53/ 57 . 6 • 2 65 56/ 55 2.4 1.6 1.2 1.1 65 41 47 4/ 53 1.2 3.4 2.0 1.2 1.1 85 85 64 40 . 1 74 °2/ 51 •5, 3.0 1.5 1.5 1.1 74 41 44 51/ 49 40 40 85 31 ·3 1·4 . 2 1.3 51 4./ 47 1.3 1.9 1.7 • 5 51 75 40 41/ 45 .9 1.7 1.8 • 3 46 46 20 20 68 53 44/ 43 1.2 . 4 • 1 • 3 42/ 41 . 8 17 17 35 53 . 6 • I 4:/ 39 1.0 1.3 . 3 24 24 46 54 38/ 37 13 13 27 40 • 5 . 4 19 3c/ 35 . 4 34/ 33 . 1 6 14 37 . 1 6 45 72/ 31 3 26 35/ 29 • 1 6 26/ 27 14 5 6 26/ 25 2. 8 24/ 23 22/ 21 5 25/ 19 8 3 16/ 15 929 TOTAL 4.028.131.417.1 7.5 5.8 2.2 2.3 1.1 929 929 Mean No. of Hours with Temperature Element (X) ZX X • No. Obs. • 73 F > 93 F 929 . 80 F Rel. Hum. 5371183 68759 74.017.434 2 0 F 2 32 F 2 47 F Dry Bulb 3018329 52275 56.3 9.097 929 14.0 • 1 93 . 8 51.9 9.744 93 Wet Bulb 2588603 48197 929 1.6 6.5 Dew Point 11.8 93 44034 47.412.547 2233266

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

22536 STATION	KAN	DOL	PH A	FB T	X TATION N	AME				70.	73-8	1		YEARS				MON	R
																PAGE	1	D 3 D D -	<b>05</b> 0
Temp.								TEMPER								TOTAL		TOTAL	
( <b>F</b> )	0	1 . 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24 25 - 2	26 27 - 28 2	29 - 30 = 3	1 D.B./W.B.	Dry Bulb	Wet Bulb !	Dew Pa
4/ 73			. 2							ļ				1 !		2	2	i	
21.71		.5		3	-1			<u> </u>			<u> </u>					23	23	; <del> </del>	
10/ 69		1.6	1.5	. 1				i		1	1	! :	:			30	30	11	
67	8	2.6	2.0	1.0				<b>.</b>	3		-1			·		- 64	64	51.	3
6/ 65	1.1	1.7	1.7	• 1	• 2		2	!	. 2	• 1		:		1		50	50	42	5
4/ 63.	9	3.7	1.0	3		2	2	1		<del></del>	-			+		61	61		
2/ 61	• 9		1.2	• 4	• 2		!	• 3	• 1	1						61	61		3
C/ 59	- 4.		_2.2	-1+]	-1	5	-3	•-2	2	<del> </del>	<del> </del>	<del></del>	<del></del>	<del>-                                    </del>		70	70		
٤/ 57		_ '	1.2	• 3		• 8	_				1		1			63	63		
<u>-/ 55</u> +			1.5		6	4				<del> </del>	!			+		52	52		!
4/ 53	• 3		1.5	1.1	1.2			•2		:	1			1 :	i	63	63		
2/ 51.		1.7		2.4	.4	5 2		<del> </del>		-	<del> </del>			<del>                                     </del>	+	62	<u>64</u> 62		
./ 47	• 4	1.4	_		. 5	- 2 - 3		ĺ		i	ļ					61	61		
£/ 45	•		2.3		,	.3								1		51	51	,	
4/ 43.			2.3		•	• .	;	İ								44	44		
2/ 41		1.1		.9			1					1				31	31		
/ 39.	. 1.	6	1.0	. 2						1	1	i	_ :	1 i		18	18		
·/ 37		. 4	• 5	. 5	1											14	14	29	
L/ 35	a1:	1.1	- 9				i	<u>i</u>				<u>.                                    </u>		1	i_	19	. 19	1	
4/ 33	• 1	. 3	. 6				-				}					10	10	19	4
2/ 31:	-1	.2	. 9				<u></u>			L						11	11	13	
1 29		i	• 2				İ	}		1						2	2	9	
-1 27		1		1			<b></b>			↓		-	$\longrightarrow$	<del> </del>		2	2		
c/ 25	1	i			i i		1	j,		}	1			}		1 1		3	
4/ 23.			2		<b></b>			<u> </u>			-	-		+ -+		2	2		
2/ 21		i					i											1	
<u> 19.</u>	<del></del>				<b>-</b>					<del> </del>			<del></del>					<b>Z</b>	
c/ 17	1	1	i		ļ		1	,		]	1			1		- }			
<u>t/ 15.</u>	+						├			<del> </del>				++	+	<del>-++</del>		<del> i</del>	
		i									ļ							:	
TAL	6 27	LA . O	77 1	17.0	5.2	7.0	1.7	1.0	. 9	.1	.1	<u> </u>		<del>  -</del>		+ +	930	+	9.
1.	0.2	7 <b>.</b> u	3361	1307	302	3 . 7	] •••	1.00	• 7	••	••	i l	!			930	7 3 0	930	
ement (X)		x'	_		Σχ	T	¥	7,		No. Ol	s. T			Meen No	o of Hours	with Temperate	100		
I. Hum.			2034		719	46		16.6			30	10F	± 32 F	≥ 67 1	- 73 1	≥ 80 F	× 93	FT	etal
y Bulb			4712		506			9.8			30		1.	7 11.	9	. 2			
et Bulb			6336		472			10.4		9	30		3.	4 6					
ow Point			0417		437			12.8			30		19.						5

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 70,73-81 MAR 0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1 74/ 73 4 1.3 19 19 72/ 71 1.2 1.0 .6 2.5 2.5 3 11: 71/ 69 24 24 55 55 26 6-/ 67 41 . 2 56 56 46/ 65 1.3 2.3 1.5 . 1 . 3 41 50 44/ 63 56 56 66 45 1.0, 3.1, 1.1 1.2 62/ 61 .6 4.2 1.5 . 3 . 2 79 79 42 44 6L/ 59 1.3 1.9 2.3 68 61 68 66 .6 Sel 57 1.0 2.8 1.7 66 66 51 40 . 1 . 2 55 55 56/ 55 52 .5 2.4 .6 .9 65 4/ 53 .1 1.9 1.8 . 9 68 68 42 55 1.1 . 9 . 4 . 2 72/ 51 63 63 .3, 1.6, 3.0 36 5:/ 49 .4 1.6 2.7 64 64 53 31 . 9 45/ 47 43 43 .1: 1.0 1.9 41/ 45 1.3 1.3 1.1 . 4 40 40 65 42 . 2 44/ 43 1.4 1.8 1.0 43 43 43 38 42/ 41 1.3 1.7 1.1 40 40 50 46 4./ 39 .8 1.3 24 49 51 • 3 3F1 37 .1 1.0 1.0 23 23 51 32 36/ 35 34/ 33 47 1.2 16 16 10 10 20 45 . 8 • 3 72/ 31 .4 19 42 3 31/ 29 • 3 3 A 35 76/ **25** 20 11 24/ 23 22/ 21 6 8 22/ 19 18/ 17 1 1c/ 15 11/ 930 7.634.332.711.4 6.2 3.8 2.2 1.0 930 TOTAL 930 930 Element (X) ZX No. Obs. Mean No. of Hours with Temperature + 67 F = 73 F = 80 F Rel. Hum. ≥ 93 F Tetal 5892159 72361 77.816.791 930 10F ≤ 32 F Dry Bulb 930 1.7 9.9 50460 54.3 9.913 2829146 50.710.505 93 Wet Buib 2491356 47134 930 3.8 5.2 Dew Paint 2203058 43624 46.912.990 930 15.0 2.9 93

6-26-5 (OLA) sevises mevicus revious of this rosu

TAC NOW 0-26-5 (OLA

GLORAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX
STATION NAME
STATION NAME 70,73-81 MAR

PAGE 1 0900-1100

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)	· ·					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	<b>2 31</b>	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poir
38/ 87							+						ĺ	1	.1			1	1		
£6/ 85		!	i			i	:		1	_				1	••i			i	L i		
°4/ 83			•				ī	. 1			• 1			1				2	2		
2./ 79							_ 4			1		.1		2		į			8		
7:/ 77			ī	•1	. 4	. 3	• 1			• 2	• 1	.1				į		13	13		
76/ 75			L	3	4		1		2	. 3		1	1	<u></u>	1	i		16	16		
74/ 73			. 8	1.1	. 4				. 2	• 3	• 3	. 1				!		30	30	·	
77/ 71		6	1.2	1.0	5	. 8	. 3	-1	. 3	5			<u> </u>	1	1			5.0	50	5.	
70/ 69		1.7	1.8	1.5	9		• 5	• 5	• 3	. 4	• 2			1	1 1	:		74	74	28	6
65/ 67	. 8	1.9	2.7	1.4	. 5	. 4	6	. 6		3		.1		ļ	<del> </del>			94	94	61:	38
16/ 65	- 1	1.7	1.3	1.3	•6	. 8	1.0	. 8	.8	.6								83	83	50	4 5
64/ 63	- 6	2.0	1.3	1.3	1.0	6	1.5		4	2	-1				<b>.</b>			91	91	76	53
42/ 61;	• 5	2.0	1.9	1.0	.6	. 6	1.4	.6	• 3	• 3						1		88	88	55	60
LC1 59.	6	1.8	1.5	5	1.3	1.2	6	• 5	. 3	ļ				<del> </del>	<del>} ,</del>			82	B2	65	57
5-/ 57	• 2	1.1	. 9	. 6	. 8			• 5	• 2					i		•		64	64	80	5 5
5L/ 55	1	1.2		. 9		1.1	. 4	3				: 			ļi	<del>i</del>		59			53
54/ 53	. 4	. 4	1.1	• 9		. 5	• 3	• 1	l	!		i		1		-		4 3		· -,	40
52/ 51	1	6		8		. 8		-1					Ĺ	<del> </del>	<del>                                     </del>	+		34	34		37
50/ 49		• 3	1.0	• 5		. 4		į		!				1		1		28			27
4:/ 47			- 2	6										<del>-</del>	<del>                                     </del>			16			32
41 / 45			1.0		• 5	• 1		!					!			!		19	-		50
44/ 43		3		4						<u> </u>	-	· · · · · ·		<del> </del>	+	+		9			41
42/ 41		• 1						i	ì					1		i		11		. –	49
41/ 39			-1	1					<del>                                     </del>					+	<del>                                     </del>			2	2		4.8
30/ 37			• 3	• 1	• 1		1	i	ĺ					1		[		5			43
36/ 35								<u> </u>						┪──	+ +			3		10	49
34/ 33		į		• 2	• 1									!		1		د	3		22
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Rel. Hum.		<del></del>										± 0		s 32 F	× 47	F	73 F	= 80 F	• 93	FT	otel
Dry Bulb																					
Wet Bulb																					
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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION NAME 70.73-81 0900-1100 HOURS (L. S. T.) #ET BULB TEMPERATURE DEPRESSION (F)

| TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL | TOTAL 10/ 17 15/ 15 12/ 11 1./ 9 T∂TAL 3.516.019.715.912.3 9.7 8.4 5.4 3.8 3.4 .9 930 930 930 930 Element (X) Mean No. of Hours with Temperature No. Obs. Rei. Hum. *67 F * 73 F * 80 F = 93 F 4356259 60397 64.921.612 930 ≤ 32 F Dry Bulb 3604113 57337 61.7 8.626 930 28.9 7.1 93 Wet Bulb 2858452 50898 54.7 8.856 930 9.4 93 Dew Point 2312829 44799 48.212.909 930 12.5 4.4 93

L26-5 (OL A) BEVISED MEVIOUS EDITIONS OF THIS FORM AND OUSCILE

SAFETAC NOW 0-26

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX STATION NAME 70,73-81

																		PAG	Ε 1	HOURS IL.	1400
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Dew Point								1								_		L	i		

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

722536 RANDOLPH AFB TX

# **PSYCHROMETRIC SUMMARY**

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70.73-81

GLCBAL CLIMATOLOGY BRANCH US4FETAC AIH WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

72.536 PANDOLPH AFB TX
STATION NAME MAR 70.73-81 PAGE 1 1500-1700

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Temp.						WET	BULB ]	EMPER	AIUKE	DEFRE	JOIN (	F)	3 34	25 26	07 00 00	20	31 D.B./W.B			R -
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8/ 87									1.	1	<del></del>		+	-1,	-1	-1				
6/ 85										• 2	!	• 1.	• 1	• 5:	• 2;	• 1	12			
64/ 83.						2	2	1.3	. 9	1	+	4	-1	- 4	1:	<del></del>	3!	.,		
2/ 81					• 1,	• 2	• 6	1.0	1.6	• 1	• 1	• 6	• 5	1 . 3		1	: 58	_		
7./ 79			1		3	- 9	1.1	1.2	8.	4		1.1	1.4	3		<del>-</del>	75			
7 / 77				• 2	• 8	• 9	1.3	1.2	1.0	• 6	1.1	• 6	• 5	• 1i			7.7		1	
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Rel. Hum.			_									± 0 F		32 F	≥ 67 F	* 73	F > 80 F	≥ 93 F	Te	otal
Dry Bulb																				
Wer Bulb								L					_			<del>  -</del>			<del></del>	
Dew Paint									1					1						

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 722536 RANDOLPH AFB TX

## **PSYCHROMETRIC SUMMARY**

MAR 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 - 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 2 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 2: / 25 14 2-/ 23 5 2/ 21 7 / 19 : / 15 14/ 13 1.4 11. 930 930 .1 5.1 6.9 8.8 7.6 7.810.513.412.2 7.5 6.8 4.9 3.5 2.9 1.D TOTAL No. Obs. 930 Rel. Hum. 43981 47.321.471 2 0 F ≤ 32 F ≥ 67 F = 73 F = 80 F = 93 F 2508187 68.3 17.7 Dry Bulb 4755593 65897 70.9 9.640 930 44.2 15.7 93 930 93 Wer Buib 58.1 8.130 3198280 54012 1.2 13.9 47.013.121 2216192 43730

70.73-81

ARE DESOLETE REVISED PREVIOUS EDITIONS OF THIS FORM 0-26-5 (OL A)

GLGRAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

ANDOLPH AFB TX STATION NAME MAR __ 70.73-81 1800-2000 PAGE 1

																	PAGE		HOURS IL.	3.4
Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (F	•)					TOTAL		TOTAL	
(F)	0 1-	2 3 -	4 5	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25	- 26 27	- 28 29	- 30  = 31	D.B./W.B. D	y Bulb	Wet Bulb D	• •
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B/ 87	3						1					,				<u>. 1</u>	<u>.</u>	<u>.</u>		
6/ 85										• 1		•	•	• 2:			3	3		
4/ 83	1						1	2				-1	3.		-1.		. 8.	8.		
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6/ 65	•	6	. 6	• 9	• 4.	1.0	1.5	2.0	1.1	. • 9'	• 2						86	86	65	
4/ 63.	1_1	.3	8.	• B	1.3	1.6	. 1.3	- 9								<del></del> .	85	85.	68.	_
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<u>.7 59.</u>	1	.3	. 5	- 8	1.2	9	6		3								62.	<u>62</u> ,	61,_	
/ 57	•	•1	• 4	1.2	• 5,												43	43	54	
<u>. 55 /</u>		ــــــــــــــــــــــــــــــــــــــ	<u>.</u> 2	6,	6			2	T	<del></del>							. 36.	36.	76	
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GLOBAL CLIMATOLOGY BRANCH
JSAFETAC
AIR MEATHER SERVICE/MAC

7.2.7.36 RANDOLPH AFB TX
STATION NAME
STATION NAME

### PSYCHROMETRIC SUMMARY

MAR

1800-2000 HOURS IL. S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.8./W.B. Dry Bulb Wet Bulb Dew Poin 2/ 21 2 / 19 1./ 13 1./ 11 930 930 930 T: TAL <u>•4 8 • 213 • 313 • 312 • 013 • 810 • 2 9 • 6 6 • 2 4 • 5 3 • 3 2 • 7 1 • 3</u> 930 Element (X) No. Obs. Meen No. of Hours with Temperature Ref. Hum. 3320531 51861 55.821.477 930 267 F 273 F 280 F 293 F 1 32 F Dry Bulb 4024111 60603 930 45.0 18.1 65.2 8.982 Wet Bulb 2943688 51738 10.7 93 55.6 8.389 930 1.0 14.2 Dew Point 2192632 43548 46.812.853 930 93

70.73-81

C PORM 0-26-5 (OLA) NEVISED MEYOUS EDITIONS OF THIS FORM ARE OAKOLETE

GLCHAL CLIMATOLOGY BRANCH USAFETAC AIF REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 SANDOLPH AFR TX
STATION STATION NAME PAGE 1 2100-2300

Temp.					WET	BULB 1	TEMPER	ATURE	DEPRE	SSION	F)					TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	. 30 + 31	D.B./W.B.	bry Bulb	Wet Bulb D	P
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74/ 73		• 5	• 3						. 1		• 2:					11	11		
72/ 71		1.8.	1.4	1	1.			2		1	1		<b>.</b>			37.	37.	2.	
7 / 69	.1 2.3	2.7	1.0	. 3	. 3	• 2	3	. 2	• 2	. 2	. 1		:	i !	i	74	74	18	
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6/ 65	1.7	1.5	1.6	. 2	. 8	• 1	• 9	1.0	.1				i .	l ;		73	73	56	
64/ 63.	. 2. 2.9.	1.2	_ • 9	4	4	41	. 4	4	3	1			<u> </u>	<del></del>		69	69	48	
12/ 61	.1 1.9	1.5	1.1	. 1.0	. 6	. 4	1.0	. 1	,	1				1	:	72	72	56	
1./ 59	.3. 2.3.	1.6	1.7	1.6	1.9	9	. 9	1	2		·		<del> </del>	-	<del></del>	107	107	57.	
5-7-57	1.3	1.7	1.4	1.6	1.1	. 6	• 5						į		!	77	77	51:	
54/ 55.		1.7.	1.3	1.7	1.2	8	2		<b></b>		<del>i</del>		<u> </u>			72	72.	57,_	
4/ 53	1.0	2.2	2.0	1.9	. 9	İ	• 2			<b>!</b> :			!			76	76	63	
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Element (X)	Z _X ,			Z X		¥	•,		No. Ot					Mean No.	of Hours wil	A Temperatu	re		
Rel. Hum.											: 0 1		1 32 F	≥ 67 F	≥ 73 F	- 80 F	≥ 93 F	Te	tal
Dry Bulb														<b></b>	<b></b>	<b></b>	<del> </del>	<del></del>	
Wet Bulb																<b></b>	<del>                                     </del>		
Dew Point												- 1		1	1	1		1	

USAFETAC NORM 0.26-5 (OL A)

SLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/HAC

#### PSYCHROMETRIC SUMMARY

7225 36 RANDOLPH AFB TX
STATION NAME MAR 2100-2300 HOURS IL. S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B./W.B. Dry Bulb Wer Bulb Dew Point (F) 1.418.726.118.512.8 8.8 4.2 4.7 2.5 1.3 .4 .5 930 930 TOTAL 930 930 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 4607938 62926 67,719.416 930 2 0 F ≤ 32 F ± 67 F = 73 F = 80 F 930 .3 20.7 3325600 59.2 8.279 93 Dry Bulb 55078 1.7 1.2 Wet Bulb 930 7.3 93 2714241 49551 53.3 8.933 930 93 Dew Peint 3.8 2235426 44082 47.412.534

70.73-81

₹ ë 0.26.5 1 3 2 1 USAFETAC

GLUPAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

MAR 722536 KANDOLPH AFB TX HOURS (L. S. T.) PAGE 1 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin .0 • D 94/ 93 2.1.91 أمم 5.7 89 .0 • D • 0 . 0 . 1 • D 15 15 58/ 87 • 0 11 11. £6/ 85 .0 . 0 . D . 1 26 • 0 • 0 • 0 50 4/ 83 a D **.** n 'n 50 . 2 .0 . 2 100 100 2/ 81 • 0 . 1 . 3 . 2 .0 . 1 . 1 - 4 144 .1. 79. 144 7-/ 77 . 4 . 3 . 2 178 .0 .1 • 3 . 3 . 2 . 2 . 0 178 76/ 75 238 238 • 6 . 4 . 5 . 3 . 3 . 2 . 3 . 2 . 1 . 0 18 74/ 73 . 4 . 4 . 4 264 264 1 72/ 71. . 4 1.2 396 396 58 7.1 69 .1 1.5 1.9 • 5 537 537 226 58 . 4 . 5 • 3 - 1 . 8 • 3 • 3' 6.1 67 .5. 1.6. 1.7. 597. 597 491 249 518 462 387 • 6 518 #6/ 65: .5 1.4 1.2 . 6 • 3 • 5 • 6 . 7 . 4 . 1 511, 472 370 64/ 63 4, 2.1. . 8 . 6 - 6 511 • 0 429 383 509 509 12/ 61 .3 2.3 1.0 . 7 . 6 . 6 • 5 • 3 6LL 59 560 504 456 4 2.0 1.4 .8 . 8 اکم . 8 560 •2 5 1 57 496 385 416 416 .3 1.3 1.0 . 7 . 6 . 4 . 0 537 346 51/ 55 al lal lad . 6 - 9 **.7**ì . 3 • 1 <u>.</u> O 366 366 406 556 319 4/ 53 . 1 .9 1.6 1.1 . 9 . 6 . 2 . 1 406 506 52/ 51 324 324 282 <u>-7 1-7</u> 50/ 49 .5 1.3 268 268 5 3 2 266 . 8 • 1 • 9 401 47 231 231 513 331 <u>. 6</u> 1.0 46/ 45 . 5 1.0 193 193 438 358 . 8 • 3 . 1 • 0 44/ 43 145 145 303 370 .5 .8 • 1 134 134 242 378 42/ 41 . 4 . 8 . 5 . 1 221 88 407 41/ 39 .0 88 . 2 . 3 . 2 • 0 . 0 59 59 158 347 38/ 37 • 0 34/ 35 52 52 94 384 . 2 . 1 63 297 34/ 33 34 • 1 • 0 25 72/ 31 25 46 325 33/ 29 • 0 255 11 11 37 • 1 Element (X) No. Obs. Mean No. of Hours with Temperature *67 F = 73 F = 80 F = 93 F Rel. Hum. 10 F 1 32 F Dry Bulb Wet Bulb Dew Point

70,73-81

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIA HEATHER SERVICE/MAC

100 mg - 100 mg - 100 mg

# **PSYCHROMETRIC SUMMARY**

722536 STATION	<u>R</u> A	NDOLE	PH AFB 1	TATION N	AME				70.	73-8			YE	ARS			PAGE	2	MON MON HOURS (L	
· · · · · · · · · · · · · · · · · ·						BULB			05005	551011 //							TOTAL		TOTAL	S. T
Temp. (F)		1 - 2	3 - 4 5 - 6	7 - 8								23 - 24 2	25 - 26	27 - 28	29 - 30	<b>+ 31</b>	D.B. W.B.	Dry Bulb		Dew I
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16/ 15		<del></del> +				<del></del>	·	-	<del></del> -			<del>-</del>				<del> </del>	<del> </del>	•		
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17/ 9						+	<del></del>									+	!			
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TOTAL	3.1	19.02	21.713.4	9.1	8.2	6.5	6.0	4.5	3.0	2.2	1.5	. 9	• 6	. 3	. 1	. 0		7439		74
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Element (X)		Zx	-+-	Zx	<del>'</del>	Ī	· .	—	No. Ob	•. 1				Meen N	le. of H	ours wit	h Temperat	ure .		
Rel. Hum.		3487	7486	4808	68		22.5		74		101	7 9	32 F	≥ 67		73 F	= 80 F	• 93 F	1	Total
Dry Bulb		2885		4560			10.9		74				4.7	257	.8 1	04.8	29.	1	. 4	7
Wet Bulb		2244		4023			9.5		74			1	2.7	78	.6	2.1				7
Dew Point		1789	7177	3520	163	47.3	12.8	87	74	39		1.0	6 . D	31	. 3	2	1		T	7

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIH WEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMILLEY

722536 RANDOLPH AFR TX 70.73-81 YEARS MON

PAGE 1 0000-0200

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (	F)				TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 23 -	24 25 - 26	27 - 28 29	- 30 - 31	D.B./W.B.	Dry Bulb 1	Net Bulb D	lew Po
7-/ 77.			. 1	• 2										1		3	3	, -	
76/ 75			1.4			-								<u> </u>		19	19.		
74/ 73		. 1	2.3	1.1	l				ı			<u> </u>	1			32	32	1	
721 71		1.4	6.1	. 1.4	: 		<b></b>									81	81,	28	
7./ 69	.1	3.9	6.9	. 6	• 1	. 1	! 			• 2	. 1			j	į	108	108	62	3
6.1.67	3	. 2.8	4.9	7	i		2									80	80	104	
6/ 65		4.6	3.9	1.7		• 2	) !	• 2	• 1	• 1	į	1			İ	97	97.	89	E
64/ 63.	1	. 3.6	1.8	1.7	2	-2	- 4	-2								7.4	74	98.	\$
62/ 61	• 2	3.2	2.4	1.0	. 8	• 3	• 1	• 1				!	1		ļ	74	74	63	8
£ 1 59+		2.8	1.8	7	2	9										57	57.	61	5
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Element (X)		ZX,		ļ	z _X		X	<b>"</b> g		No. Ob	••					th Temperet	<del></del>	<del></del>	
tel. Hum.			2304		720			13.4			00	= 0 F	s 32 F	≥ 67 F	≥ 73 F	= 80 F	≥ 93 F	_ <del></del>	<u>-141</u>
bry Bulb			2081		560			8.1			00			32.3					
Not Bulb			5349		527			8.7			00		1			<b>4</b>	<del></del>		9
Dew Point		290	11427	1	_501	83	55.8	10.7	18	9	00		3.7	13.1	J	1			9

DBM 0.26-5 (OL.A) REVISED MEVICUS EDITIONS OF THIS

SAFETAC NOW 0.24 &

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

RANDOLPH AFB TX
STATION NAME 70.73-81 0300-0500 PAGE 1

																			HOURS (L.	5. T.
Temp.											SSION (						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 2	2 23 - 24	25 - 26 2	7 - 28 29 -	30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb De	- P
76/ 75		. 7	. 2	. 4			1		-								6	6	,	
74/ 73			2.4	1.1	1			i	<u>.</u>								33	33		
72/ 71	• 1	. 9	5.2	1.1	: L		1	:	i								66	66	10	
71/69			5.8				<u>.                                    </u>		 <del> </del>				<u> </u>	-			103	103	61,	1
6.7 67	• 3	3.2	4.2	. 2		• 3	. 2	i.		: ]							77	77	115	10
6/ 65	. 3	4.0	2.9	7	.1	.1	:	, <del> </del>	. 2	-1				<u> </u>			76	76	78	
14/ 63	.7	4.6	2.2	. 9	• 3		i	• 1	. 1			i	1	i	Ì	į	80	80	79	8
52/ 61:	. 6	4.2	1.8	. 4	. 3	:	i	.1	. 2	<u> </u>			1				69	69	73	6
66/ 59	. 1	4.1	2.0	• 2	.7	. 6	. 2	. 4							i		75	75	58	5
50/ 57	1	2.6	2.0	• 1	. 8	. 2	.1		<u> </u>	Ĺ						<del> </del>	53	53	67	- 5
5./ 55	• 3	2.6	1.6	• 6	1.2	• 1						_	-	7		, –	57	57	54	4
54/ 53	. 4	1.3	. 9	1.1	.3	. 2			<u> </u>				1 - 1				39	39	44	
⁵ 2/ 51	. 8	1.3	. 9	• 1	. 4	• 1	1			i -	ı			T		Ī	33	33	43	•
5_/ 49	• 1	1.6	1.3	. 4	.3	Ĺ			<u> </u>				Ĺ				34	34	41:	
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45/ 45		1.3	1.1	. 4	.2	L	İ	l	<u> </u>	L	l 						28	28	30	
44/ 43		.7		• 7						1					:		24	24	20	
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30/ 35	1		• 3		, ———— ]		1										3	3	8	1
34/ 33			.1	<b>.</b>	ļ	<u></u> _	<u> </u>	L					1				1	1	4.	
72/ 31	1																1	:	4	
34/ 29					L	<u> </u>	i	1	<u> </u>		L		1				1			
2-1 27				!				;											,	
26/ 25	1					<u> </u>	<u> </u>						-				<b>i</b>	+		
22/ 21	1															-	1 7	:		
20/ 19	1				1		1	L					1							
15/ 17	i			,	•		]						i					I		
OTAL	4.1	39.8	37.4	9.6	5.4	1.8	. 6	. 7	•6	. 1							<del>                                     </del>	900		90
					i ———												900		900	
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lement (X)		L x '			z _z	<u> </u>	¥	-		No. Ob	<b>3.</b> 1				Meen No. 4	of Hours wi	th Tomperat	<u> </u>		
Rel. Hum.			4208	-	738	70		13.3			QQ	= 0	F 1	32 F	≥ 67 F	≥ 73 F	- 80 F	* 93 1	T •	tel
Dry Bulb			0781		547			8.7			00		<del>- + -</del>		28.5			1		-
Wet Bulb			7473		518			9.1			00			. 4	18.6		+	<del>                                     </del>		
Dew Point			7597		495			11.0			00			4.0	12.3		+	+	<del></del>	- ;
		-643	1 4 7 1		7,73	- J	4-7-9-1	<u> </u>	-					7 7 5 5)	****		<del></del>			

GLORAL CLIMATOLOGY BRANCH USAFETAC AIF MEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 KANDOLPH AFR TX
STATION HAME APR 70.73-81 YEARS PAGE 1 0600-0800 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 76/ 75 .3 .9 11 11 2.4. .9. 30 30 74/ 73 72/ 71 1.4 5.7 1.0 7 3 73 11 4.9.5.3. .3. .2. 99 99 69 74/ 69 65/ 67 83 83 .2 3.3 4.8 .6 .2 110 104 56/ 65 1.7. 2.7. 3.4. .8. .1. 76 8.5 95 -4/ 63 87 .3 5.8 2.3 1.4 • 1 87 69 72 92 89 80 1.21 61. .3 5.1 2.4 .8 .6 .4 fü/ 59 73 .3 2.0 2.6 .3 .6 .6 •2 •2 61 61 69 5E/ 57 3 2.9 1.2 72 .7. lal .9. 58 62 5 t / 55 .3 2.7 1.0 .9 1.0 .1 55 55 57 57 .2 .8 1.3 1.3 39 54/ 53 39 42 48 12/ 51 43 .6 1.2 .3 23 23 50 .3 21 21. 19 5_/ 49. 45. 1.1. 49. 46/ 47 1.1 .3 . 4 18 18 50 25 20 20 29 30 45/ 45 _aB_lal . 3 44/ 43 . 2 . 9 . 1 . 1 15 15 13. 32 A. 1 7 28 42/ 41 A 11 11 15 24 4:/ 39 .2 .8 14 3:/ 37 8 367 35 . 1 1 11 22 34/ 33 12 32/ 31 12 311 29 9 7 2 / 27 72/ 21 2./ 19 900 900 3.736.837.712.0 4.6 2.7 1.2 1.4 TOTAL 900 900 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 81.413.809 900 ±47 F ≥ 73 F ≥ 80 F ≥ 93 F 73271 6136595 Dry Bulb 29.6 3476949 55443 61.6 8.269 900 4.1 90 58.2 8.807 900 19.0 3122561 52917 90 Dow Point 50001 90

0-26-5 (OL.A) Rivido Mevidus Epinonis or Ines roem Asi

AC 1084 0-26-5 (OLA) BIN

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

72536 RANDOLPH AFB TX 70.73-81 YEARS APR MONTH

PAGE 1 0900-1100 Hours (L. S. T.)

																			HOURS (	L. S. T.I
Temp.											SSION (						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25	- 26 27 -	28 29 - 3	0 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
86/ 85											1	i	í	. 1			1	1	1	
4/ 83	·				1				.1				.2			1	. 4	4	· 	
827 81				. 1	• 3	. 7	• 1			) 	.1	. 1	. 1		j	i	14	14		
/ 79				2	1.7	1.1	1	. 1	L	.1		.1		·		1	31	31	<b>+</b>	
75/ 77			• 2	1.7	2.2	. 7	. 2	. 3	• 2		• 2	1	• 1		ļ	İ	53	5 3		
76/ 75		. 1	. 7	2.4	2.6	. 6	. 8	. 2	. 2			. 1			<del></del>	+	69	69	. 2	
74/ 73	i	• 2	1.4	4.4	1.2	1.3	• 3	. 4	1.2	• 2	• 3	i	1			1	101	101	. 15	1
72/ 71:	-1	2.0	2.8	2.0	1.1	1.1	. 9	1.1	.4	• 3	_,1			<u>.</u>	<u> </u>	<u>.                                    </u>	108	108	62	1
72/ 69		2.0	2.8	2.6	1.2	1.1	. 8	1.1	. 8	- 1	•1	:	:	į	1		113	113	97	4
6:1 67	. 1	1.2	3.7	1.3	1.6	• 6	1.0	. 8	.2	• 3	.1		·			-	98	98	98	9
£6/ 65	.1	1.7	2.7	1.8	.7	. 4	• 8	• 6	• 3	• 2		1	1		ļ		83	83	. 83	<b>'</b> 8
54/ 63	. 3	1.9	1.3	1.0		. 4	1.0	.1	• 2	• 2	L						61	61	96	
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60/ 59	. 2	1.1	. 8	. 3	• 3	. 3		• 2	.1		<u> </u>					+	31	31	88	
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2/ 51		.6	. 1	• 1	` . 4	• 1	• • 2				L		i_			1	14	14	35	3
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40/ 39															<u> </u>	-		<b></b>	5	2
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32/ 31				<u> </u>												<del></del>	<del></del>	<b></b>	<b></b>	1
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20/ 27			L	L													<u> </u>	L	<u> </u>	<b></b>
26/ 25	!					(		ĺ				ì	1		1	i	1	1	1	:
24/ 23				<u></u>							L						<b></b>	<b>↓</b>	i •	
26/ 19	í				: ! 	1							ļ						1	1
Element (X)		z _x ,			Z X		T	<u> </u>		No. Ot	i.			Med	n No. of	Hours wi	h Tempera	ture		<u> </u>
Rel. Hum.												± 0 F	= 32	F	67 F	≥ 73 F	- 80 F	a 93	F	Total
Dry Bulb																				
Wet Bulb																				
Dew Paint																	T -			

AOBM 0.26-5 (OL A) service recrons contrars of this

USAFETAC NOM D.

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722536 STATION

RANDOLPH AFR TX STATION NAME

### **PSYCHROMETRIC SUMMARY**

MONTH

																		PAG	E 2	HOURS I	<del>-110</del> 0
Temp.									ATURE									TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>2 31</b>	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poin
TOTAL	1.4	14.0	18.2	19.3	16.0	10.1	7.8	5.4	4.2	1.6	1.0	• 3	. 4	• 1				900	900	900	900
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70,73-81

Element (X) No. Obs. Mean No. of Hours with Temperature 67.718.953 68.6 6.884 61.6 7.266 56.310.799 Rel. Hum. : 0 F ± 32 F ≥ 67 F = 73 F = 80 F = 93 F 4447886 60930 900 Dry Bulb 4275226 3462933 900 900 61720 59.2 27.3 90 Wet Bulb 90 55443 27.4 Dew Paint 90 GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

والمراف عوف بطريبا الرااف الحويط

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 70.73-81 APR MONTH
STATION STATION NAME PAGE 1 1200-1400

1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 92/ 91 1 1 9:/ **8,**9 . 1 38/ 87 • 1 • 3 . 2 . 2 • 1 . 1 . 2 13 13 6/ 85 27 547 83 .1 1.3 1.7 • 7 • 3 . 1 49 49 . 3 . 2 . 7 .2 1.2 2.4 2.4 76 76 21/ 79 .2 2.1 3.3 2.7 1.1 1.0 1.1 . 1 . 6 120 120 70/ 77 .8 1.1 2.0 1.0 1.2 • 7 76 76 .6 2.0 2.3 2.1 1.0 1.4 76/ 75 1.7 1.8 128 128 10 74/ 73 .8 1.7 1.3 1.2 1.2 1.2 . 4 93 93 59: . 8 72/ 71 1.7 1.7 1.1 1.7 . 9 . 2 . 8 • 7 . 2 90 . 3 90 82 11 71/ 69 1.1, 1.1 . 2 1.1 . 4 55 . 3 . 8 .6 55 123. 58 .9 1.4 • 9 6:1 67 • 3 . 6 • 4 • 1 . 2 • 2 . 1 47 47 112 100 • 3 66/ 65 • 3 36 36 84 103 £4/ 63 . 6 . 2 • 3i • 3 . 2 . 2 21 21. 83 74 • 2 12/ 61 • 1 18 18 79 78 f [ / 59 • 1 • 6 . 1 . 1 9 66 65 58/ 57 . 2 11 57 43 56/ 55 • 1 • 1 • 1 53 39 f4/ 53 f2/ 51 22 34 . 4 • 1 . 2 26 31 56/ 49 17 38 4-1 47 • 2 35 40/ 45 41 44/ 43 24 42/ 41 24 45/ 39 17 39/ 37 18 3c/ 35 20 34/ 33 16 32/ 31 34/ 29 28/ 27 6 X No. Obs. Mean No. of Hours with Temperature Rel. Hum. 5 0 F 2 32 F 267 F 273 F 280 F 293 F Dry Bulb Wet Bulb Dow Point

HOME 0-26-5 (OL A) SEWSED FILE

SAFETAC POM A.2

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

22536 STATION	RA.	NDOL	PH.A	FB Ţ	X TATION N	AME				70.7	3-8	1		YE	ARS					MO	P P
																		PAG	£ 2	1200 HOURS	- 1400
Temp.						WET	BULB	TEMPERA	TURE	DEPRES	SION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14 1	5 - 16	17 - 18 1	9 - 20	21 - 22	23 - 24 2	5 - 26	27 - 28	29 - 30	≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Poir
24/ 23						Ţ	•				1							:			3
CTAL	. 4	7.6	7.2	8.7	12.7	15.7	14.1	9.8	8.1	6.4	4.8	2.0	1.6	• 7.	• 2	•1		900	900	900	900
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Element (X)		z _X ,			ZX		<u> X</u>	<b>"</b> 1	_		+			32 F	mean N			> 80 F	* 93	e	Total
Rei. Hum. Dry Bulb			7109		511	73		19.66		91	_	≤ 0 !	- + -	× F			73 F			<u> </u>	
Wet Bulb			0594		669			7.36		90					78		58.9	24.	4	+	9.0
Dew Point			4135		574			6.99		90			$\dashv$		<u>38</u>		<u>7.1</u>	<del> </del>	+		26
-ea reint		-471	7552		501		20.4	11.16			ш., і.			2 . A		•4	دعــــ				9

USAFETAC FORM 0.26-5 (OL A)

GLOPAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION NAME APR 70,73-81 1500-1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) .1 .1 12/ 91 • 1 o./ 89 . 3 B8/ 87 1.0 .4 • 1 31 31 · 6/ 85 .4. 1.4 . 8 42 _•1,_ 42 .4 1.9 1.8 2.0 • 3 • 3 74 1 31 ·1 1 · 3 2 · 1 1 · 4 79 19. . / 79 .2 1.8 2.1 2.4 1.7 1.0 1.3 2.2 . 9 . 6 . 1 129 129 ____9. 7:1 77. •1 1•0 2•9 1•3 2•1 •7 .7. 1.2 109 109 76/ 75 .4 1.3 1.8 1.4 1.6 1.2 .8. 1.8 1.4 110 110 74/ 73 •3 1•1 1•6 •7 .6 .6 70 70 .6 1.0 .6 • 2 72/ 71 1.1 1.4 1.3 70 70 89 19 • 1 7./ 69. .8 .8 . 6 40 109 .6 40. 75 .2 1.C 6 / 67 . 8 • 6 • 1 42 42 118 78 .2 16/ 65 •1 27 90. 1.3 27 91 64/ 63 • 6 • 2 • 1 15 15 79 (./ 61 10 •1 • 1 10 62 74 **637 59** • 2 • 1 • 1 • 3 14 14 72 5 / 57 • 1 51/ 55 . 1 48 35 14/ 53 12/ 51 15 38 • 3 29 33 5./ 49 28 10 42/ 47. 41 46/ 45 44/ 43 21 42/ 41 27 4:/ 39 31/ 37 31/ 35 19 34/ 33 32/ 31 3.1 29 2-/ 27 8 Element (X) Mean No. of Hours with Temperature Rel. Hum. = 32 F Dry Bulb Wet Bulb

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Dow Point

GLOBAL CLIMATOLOGY BRANCH JSAFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX
STATION NAME 70.73-81 APR MONTH PAGE 2 1500-1700 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 6.1 5.9 7.910.110.716.111.4 7.8 8.2 7.9 3.4 2.6 1.2 .3 .2 .1 900 TOTAL 900. 900. No. Obs. Element (X) Mean No. of Hours with Temperature 53.219.854 76.2 7.267 64.3 6.851 267 F 273 F 2902119 900 47885 Dry Bulb 5277389 68607 900 81.6 66.4 31.6 90 900 Wer Bulb 40.3 3767479 57903 Dew Point

₹ 0-26-5 (OL GLOBAL CLIMATOLOGY BRANCH USAFETAC

AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX STATION NAME APR 70.73-81 1800-2000 Hours (L. S. T.) PAGE 1

Temp.							TEMPER										TOTAL		TOTAL	
(F)	0 1 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	a 31	D.B./W.B.	Dry Bulb	Wet Builb C	ew Point
7 / 89	•	,			_						• 1		1		ļ		1	1		
8/ 37							. 2		ł	i i							. 2	2.		
6/ 85					• 2	. 3	3.	. 1	. 1	• 1	.1			• 1			10	10		
34/ 83				1	. 4		. 2	1		. 2	. 2						14	14		
5.7.81			• 1	. 7	.7	1.0	• 1	• 2				• 1	. 1				27	27		
SL/ 79		_	. 4	2.0	1.2					. 4	. 3		.1		i		5.2	52.		
701 77		. 1	1.9	1.6	1.1	. 9	• 6	. 8	. 3	• 6	• 2		i				72	72		
76/ 75		7	2.9	3.0	1.4	8	2		6	-1	. 6			L			96	96.	5.	
74/ 73		3 1.8	3.1	2.6	1.6	1.0	.7	1.3	.7	. 3	• 1						121	121	33	1
72/ 71	. 1.	6.1.9	1.8	1.6	1.1	1.1	. 6	1.0	. 7	1	. 1		·		i		103	103	65	21
71/69	•	9 2.2	2.8	1.9	1.1	1.1	1.8	. 4	• 1	• 2			ı	1 7			113	113	95	60
6 / 67		4. 1.6	. 9	1.0	. 4	9	8	6	. 8	•1	· i			<u> </u>			76	76.	92	69
6/ 65	.1 1.	7 1.8	. 9	• 7	. 9	1.2	• 6	. 6	.1	!			1	:			76		107	79
41 63.	1.	3 . 4	. 6	. 3	1.2	2	2	. 6	<del>`</del>	<u> </u>	<del></del>			<u> </u>			44		99	82
Fel 61	•	3 .2	• 3	. 7	. 2	• 3	. 1	. 3	i.		1			1			23	23	67	94
13/ 59	•	3 .6	. 2	6	. 1	. 4	. 7	.1	4		+			· - ·	·		27		<u>65</u>	54
5 / 57		. 4		• 2	!	i	• 3	į	İ		: :			1			9		65	52
5-/ 55	•	22	. 1	, 3	. 2	• 3	2 1		<b>-</b>	<b>.</b>	<b></b>		+	<u> </u>			13	13	66	41
F4/ 53		• 1			• 2	• 3	3	į	1		:		1	i	i		, 6	6	45	37
72/ 51		7	<u> </u>	• 1	. 1		<u>i</u>	<u> </u>	<u> </u>	<u> </u>	++		·				8		28	35
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4-/ 47				• 1			<u> </u>	<b></b>	<del> </del>	<u> </u>	<del></del>		<b></b>	<del></del>			1	1;	14	33
4:/ 45		3			i	!	!			į	i .			1			. 3	. 3	9	40
44/ 43		<u> </u>				ļ	<del>-</del>	<b></b>	<del>}</del>	L	·		<b></b> -	<del> </del>			<del></del>		11,	34
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4:/ 39		· i	·			i	<u> </u>		<u> </u>		<del>                                     </del>		<b>.</b>				·			22
36/ 37		1	;			;			1		1 1		l	1			!			17
31/ 35		<del>-</del>	++				<del> </del>		<del> </del>	ļ	<del></del>		<del></del>	-			<del> </del>	·		8
34/ 33		i i	: !			:									į		!	I .		14
32/ 31	<del></del>	+	·				<del> </del>	<u> </u>		<u> </u>	<del> </del> +									18
3.7.29		i																į		14
28/ 27	<del></del>					ļ	1	<b> </b>	<b></b>		<del>   </del>		·	$\vdash$	<del>-</del>				+	10
25/ 25		1	. 1			l I			}									<u>.</u>		6
Element (X)	ZXI			Z X		¥	·,		No. O								h Tempere			
Rel. Hum.				_							± 0 F		32 F	2 67 I		73 F	≥ 80 F	→ 93 F	T	etal
Dry Bulb																		$\perp$		
Wet Bulb			1		$\perp$		<u></u>							<u> </u>			<u> </u>			
Dew Point			İ		l		1	_   .						l			L			

Element (X)	ZX	ZX	X	₹,	No. Obs.			Mean No. o	d Hours wit	h Temperatu	10	
Rel. Hum.						± 0 F	≤ 32 F	≈ 67 F	≥ 73 F	≥ 80 F	≠ 93 F	Tetal
Dry Bulb												
Wet Buib			1									
Dew Point												

ATR WEATHER SERVICE/MAC 12.536 RANDOLPH AFR TX 70,73-81 MONTH 1800-2000 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point TOTAL .1 3.812.316.017.412.610.7 7.3 6.9 3.4 2.2 1.8 900 900 900 900

No. Obs.

900

900

900

900

= 0 F

s 32 F

55323

63816 55968

50062

3732915

4567756

3528570

2900848

61.519.223

70.9 6.898 62.2 7.315 55.611.368 **PSYCHROMETRIC SUMMARY** 

Mean No. of Hours with Temperature

39.5

3.8

68.7

29.0

= 67 F = 73 F = 80 F = 93 F

90

90

90

TAC NOBM 0-26-5 (OL.A) service merious tentous or this robm AM

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Paint

SECPAL CLIMATOLOGY BRANCH

USAFETAC

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

90

RANDOLPH AFB TX
STATION NAME APR YEARS PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | e 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Point 92/ 81 . 2 BC/ 79 7:/ 77 .2 1.4 .1 16 16 761 75 .8, 1.6 25 25 74/ 73 ·1 2.7 2.9 1.1 • 1 . 1 • 1 65 65 6 3 72/ 71 2.4 5.1 2.9 100 100 34. 6 70/ 69 . 3 2.4 4.1 3.0 1.1 103 103 76 47 **.** 8i 6:/ 67 130. 2.4 6.3 1.6 1.8 130 94 71 .7 2.4 3.8 1.8 1.3 +6/ 65 . 4 . 1 100 100 102 92 64/ 63 .7 1.4 1.3 1.0 70 70 2.3 114 83 627 61 1.2 1.4 1.7 1.4 1.2 75 75 63 105 56/ 59 1.3 2.4 1.8 1.1 70 70 48 63 5:/ 57 1.3 .9 1.0 40 40 40 66 5 / 55 74 39 .7 . 8 . 8 . 4 14/ 53 . 2 . 6 • 1 19 19 56 43 . 6 • 2 12/ 51 . 1 • 1 52 30 5./ 49 . 4 . 4 . 8 . 2 17 40 17 40/ 47 . 4 24 25 13 • 2 4-/ 45 . 2 13 37 44/ 43 • 1 16 42/ 41 . 2 18 18 15 41/ 39 6 38/ 37 11 36/ 35 12 34/ 33 19 13 32/ 31 37/ 29 2c/ 27 5 26/ 25 24/ 23 900 .717.331.224.013.0 6.6 3.9 2.0 1.0 900 TOTAL 900 900 Element (X) Mean No. of Hours with Temperature Rel. Hum. 267 F 273 F 280 F 293 F 66186 73.515.699 900 ≤ 32 F 5088896 4 0 F Dry Bulb 900 44.4 90 3866667 58663 65.2 6.912 11.1 Wet Bulb 3298494 54020 60.0 7.899 900 21.3 . 9 90

70.73-81

Dew Point

2920723

أجيها ستنزر أنجا لمويلات

50353

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

22536 STATION	is A.I	NDOL	PH_A	FB Ţ	TATION N	AME				70.	73-B	1		YE	AR\$					MON	TH
																		PAGE	1	HOURS (L.	. S. T.
Temp.						WET	BULB T	EMPER	RATURE	DEPRE	SSION (	F)			-			TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 16	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30	<b>»</b> 31	D.B./W.B.	Dry Bulb	Wet Bulb [	Dew P
92/ 91							· :		• 0	.0	• 0	i	• 0			}		4	4		
22/ 89						<u> </u>		1	0		1			3	+			24	24		
8/ 87		,			ı	• 0	• 2:	• 1	• 1	. I — i	• 1	•0		• 1	• 0	• 0		46	46 80		
66/ 85 84/ 83	+					•5	ب <del>د ه</del> ــــــــــــــــــــــــــــــــــــ	<del></del>	• 1	.1	•1	•1	•1	•1	-0			141	141		
32/ 81 ·				. 1	• 1	. 6	. 7	. 3			- 2	- 1	- 1	- 0	• 0			198	198		
5/ 79				. 2	. 0	1.0	. 7	. 4	3	. 3	• 5	. 2	. 1	.0				335	335		
7 - / 77 .		······································	-1,	. 9	1.0	6,	5	3	3	. 3	3	1	1		+			329	_329	3	
76/ 75		• 0	• 6	1.5			• 5	. 4	,	- 1	• 3	• 2	• 0		i i	-		464	464	45	
74/ 73+		2	1.9.	2.1	9		- 4	3	<b>↓6</b>		3	1	0					545	_545	175	
72/ 71 75/ 69:		1.5 2.8	3.7	1.6	• 7	. 4	• 5	.4	. 3		• 1	. 1	i		i			691	691 734	381 692	34
6:/ 67		2.0	3.5	₽₽₽₽ 8•	. 7	, 4	.6	. 2			•0	<del></del>				-		633	633	843	7
6/ 65	3	2.9	2.4	1.0	'		. 3	3	3					i				571	571	718	7.0
64/ 63	• 2	2.6	1.1	. 9	. 4	. 4	. 3	• 1	• 2	. 0								452	452	729	6
6./ 61	2	2.1	1.2	7	6	. 4	3	3	2	4								416,	916	578.	_61
AC/ 59	• 1	1.5	1.3	. 5		. 4	• 2	• 3	1			1		1	1			344	344	531	5(
52/57	<del>}</del>	1.2	1.0		- 6	3	- 2		0	<b>╿</b>								275	275 229	490	<del></del> 3:
5(/ 55) 54/ 53)	• 1	1.0	• 7 • 6	• 5	• 5	• 2	• Z	 	,					· i	i	:		179	179		34
52/ 51	. 2	. 8	. 3		• 2		.0											128	128	318	3:
5./ 49		- 5	3	3	. 2	1								ļ				102	102		20
48/ 47	• 0	. 3	. 3	. 3	.2	.0	• 0		1	] }			1	j		!		8 3	83	202	2
46/ 45		3	4	2	1	0			<del> </del>						<del>+</del>			81	81	129.	
44/ 43		• 2	• 3	• 1	• 1	•0									÷			49	49 26		2:
42/ 41 41/ 39		•0	• 2	• 0	.0					1					<u>i</u> -			26 18	18		1!
38/ 37	]	- 1	- 1		• •					1	i	.	ĺ		1	į		14	19	31.	. 1
36/ 35		•0	• 1															7	7	26	12
34/ 33			0						<u> </u>	<u> </u>								2	2	11.	_1
72/ 31	!												ļ		1			1		8	12
34/ 29							<del></del>		-									<del>   </del>			
20/ 27 26/ 25	1	!	į		] 								1					1		ı	4
Element (X)		z x'			ZX		X	•		No. Ob	s.				Mean No	. of H	urs wi	m Temperati	100		
Rel. Hum.												2 0 F		32 F	= 67 1		73 F	≥ 80 F	» 93 1	, T	fetel
Dry Bulb						I										$\bot$					
Wet Bulb									-									<del> </del>	<b> </b>		
Dew Paint			i										_i_	i		L_		<u> 1</u>			

FETAC FORM 0-26-5 (OLA) REVISE REVIOUS FOLIONS OF THIS FORM ARE OMCOLETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

22536 STATION	RANDO	LPH AF	B TX	NAME				70.	73-8	1		YE	ARS				A	PR MTH
															PA	SE ?	HOURS	<u>i. l.</u> L. S. 7.)
Temp.					BULB										TOTAL		TOTAL	
(F)	0 1 - 2	3 - 4	5 - 6 7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	. 30	31 D.B./W.B	· Dry Bulb	Wet Bulb	Dew Po
24/ 23 22/ 21																	<b>.</b>	<b></b>
25/ 19 15/ 17														!		:		
OTAL	1.523.	323.91	4.110.4	7.9	7.0	4.8	3.6	2.5	2.0	1.0	• 6	• 3	•1	ا ۵۰	7200	7200	7200	720
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				•	+			•					<del></del>	-				+
		-••			+			+			i						+	•
	+	•			<del>+</del>	•							† ;			,	<del>•</del>	•
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		- <del>-</del>			•			<del>  </del>						+			<del> </del>	·
		+ +		<del></del>	+						<b>-</b>		<del>  -</del>		_	+	<del> </del>	
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		+ +		<del>-</del>	-											+	<del></del>	
	+	++		<del></del>	<del>  </del>		<del></del>								_		:	
lement (X)	2 12	<u>i</u>	2 x	1	Ī	•		No. Ob					Mass Ma	of Mayer	with Temper	nture.	<u> </u>	!
lel. Hum.		22032	5000	692	69.5		83	72		= 0	F 2	32 F	± 67 F				F	Tetal
ry Bulb	334	47443	4861	033	67.5	9.4	14	72	00					216		. 2		72
Not Bulb		26994	437			8.2		72					213.					72
Dow Point	233	25261	402	<u> </u>	22.8	11.0	-5	72			L_	<u> </u>	115.	7	. 8			72

ACEL 0-26-5 (OL A) REVISE MENDUS ESTIGNS OF TH

ISAFETAC NOW A.S.

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIF HEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

7225 36 RANDOLPH AFB TX 70,73-81 YEARS HAY MONTH
PAGE 1 0000-0200

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (	F)				_		TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 2	4 25 - 26	27 - 28	29 - 3	0 - 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
£4/ 83					• 2		:		Ī					]				2	2		
32/ <b>31</b>			L	3	3	<b></b>	<del></del> -	<del></del>	<del></del>	<del></del> -					<del>-</del>	<del> </del>	+	6	- 6		
Rr / 79			• 2	• 6	• 1	i	1	i		İ		į		1	:	İ	1	9	9	:	
7:/ 77			1.6				<del></del>		<u> </u>	<del></del>	<del> </del>			+	<del> </del>	<b>├</b>	+	3.0	30,	+	
76/ 75	1	1.3	4.0	2.0	. 4				i	1	:	i			!	i	1 1	72	72	16	
741 73	<u>:</u>		4.5			ļ	<del></del>			<del></del>	<del></del>			<del></del>	+	<u> </u>		120	120,	55	2
72/ 71	1	6.2	5.8	2.8	. 1	. 1	.1	:	i	1	• 1	1		}		1	1	141	141	109	8
7./ 69	3		6.8				+	<b></b>	<u> </u>	1	<del></del>			<del></del>	<b>↓</b>	<b></b>		121	121.	117	-11
6-7 67	i	2.8	4.9	1.5	1.3	• 2	) <del> </del>	1	• 1	ļi.	l	1		Ì		İ	! .	101	101	129	9
66/ 65	3	3.2	4.6	1.4	6	Ļ		-1	<del></del>	<del></del>		+		+	<del></del>	<del> </del>	++	97	97	_101	_11
£4/ 63	• 2	2.0	2.2	1.5	• 1	. 1	·l			:	ŀ	ļ		į	1	1	1	57	57	101	10
62/ 61.	2		2.2			<b>-</b>	<b>├</b> ──		<del></del>	<del> </del>	<b></b>			<del></del>	<del> </del>	<u> </u>		51	51,	70	7
F:/ 59	• 2	• 5'	1.9	1.7	• 6			1	!	1	•	1		1				47	47	63	8
59/ 57		9	9		1	<b>_</b>	<del> </del> -	<u> </u>	<del> </del> -	<del></del>		+		<del></del>	<del>i</del>		+	21	21	47.	4
5c/ 55	• 1	1.1	• 6	. 9	• 3	1	ì	)	İ		Ι .	1		i			!	28	28	35	4
54/ 53,	1	3	2			ļ	<del> </del>		<b></b>		<u></u>	<del>+</del>		<del></del>	<del> </del> -	<b></b>	<del></del>	7		37,	4
32/ 51 S		• 3	• 5	• 2	!	1	ļ					,					ļ j	10	10	21	3
56/ 49,		3	. 4			ļ	<b>├</b> ──-		<b>!</b>	<del> </del>				+	ļ	<del></del>	+		7	11,	1
49/ 47		• 1	• 2			1		l			:			!				3	3	12	1
46/ 45							ļ	<u> </u>	<b></b>	<del> </del>		+			<del></del>		4		<del></del> +	4	1
44/ 43	i	ĺ				İ	!		[	Ì		ŀ		1					į	2	1
42/ 41	<del></del>					<b></b>	<del></del>	<u> </u>	<del> </del>	<b>}</b>				<del>-</del>	<del> </del>		<del></del>			<del></del>	
41/ 39	1	i					}	!	1	}				1		i			:		
361 37						<b></b>	<b></b>	<b> </b>	<del> </del>	<b>}</b> -				<del></del>	┼		++		+	+	
36/ <b>35</b>	j	j				Ì	İ	i		1				į	(		1 1	į	- 1		
34/ 33						<del>-</del>	<del> </del>		<del></del>	<b>_</b>					<del> </del>	<del>├</del>	+			<del></del>	
CTAL	1.5	30.3	41.6	20.6	4.9	-4	• 1	• 1	• 1	.1	• 1	1			1		1 }		930	:	93
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				<del></del>										1			1				
					<del> </del>	<del> </del>	+							+		<del> </del>	-				
Element (X)		E X'			2 x	<u>-</u>	<u> </u>			No. Ol	s.			<u> </u>	Moon	No. of	Hours with	Temperat	ure l		
Rel. Hum.		636	4931		764	49	82.2			9	30	± 0 F	•	= 32 F	≥ 67	F	≥ 73 F	≥ 80 F	- 93 F	7	otal
Dry Bulb			6823		633		68.1				30		$\Box$		60	.2	23.9	1.			9
Wet Bulb			6385		600		64.6				30		$\Box$			.6	7.1				9
Dow Point			0352		580			7.4			30						2.3		T		9

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION STATION NAME 70.73-81 PAGE 1

						WET	0111 0 7	ENDER	ATUR	DEPPE	SSION /	E)						TOTAL	i	TOTAL	
Temp. (F)		,								DEPRE				25 24	27 20	20 20	- 21		Day Bull	Wet Bulb	D B-
	0	1 - 2	3 - 4	5 - 6		9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	2 31		Dry Buil	Wet 0010	Dew Po
84/ 83		!	'		• 1				  - 			li					1	1	1	'	
92/ 31		<u> </u>			. 4										ļ	L	<b>_</b>	4	4	<del></del>	
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7:/ 77		h	. 8	. 8	. 1							1			Ļ		<u> </u>	15	15	<del></del>	
76/ 75		1.3	2.7	2.2	. 1		į					i						58	58	6	
74/ 73	• 1	6.2	3.9	2.4		- 1	• 1										<u> </u>	119	119	52	2
72/ 71		7.0	4.4	1.2	• 1		• 2		i					l			}	120	120	108	7
73/ 69	. 4	5.5	7.1	1.1		• 2	• 2		i			L		<u>i</u>	Ĺ		i	135	135	110	_11
6 / 67		2.4			• 1											i	1	72	72	114	8
6/ 65		4.7		. 4	• 2			. 1		1				1		}	1	94	94	100	11
64/ 63	. 3	3.2	4.1	1.0	• 1		. 3											84	84		
52/ 61		1.4				. 1											]	54	54	68	6
61/ 59		2.2				• 2				1							<del></del>	5.3			
51/ 57		1.0					i							ŀ		ı	1	. 27			
50/ 55		1.0			• 2					1							† —	20			
54/ 53		1.0					i			1	ı			1		İ	i	22			_
2/ 51	. 4	•								<del> </del>		+					<del> </del>	17		<del></del>	
51/ 49	• •	• 2				i				!					i			11	-		
40/ 47		• 3								<del> </del>				<del> </del>			<del> </del>	10			
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44/ 43		• • •								+				<del> </del>			<del> </del>	1		5	
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42/ 41		+		·						<del> </del>		<del>  </del>			<del> </del>		<del> </del>	<del>  -</del>	<del> </del>	2	
4./ 39				i		i	ĺ										į	İ			1
3-/ 37										<del> </del>		<del></del>		<del></del>			<del> </del>	+		<del> </del> -	
CTAL	2.5	38.1	41.Z	14.5	2.2	• 6	• 9	. 1						1					930	1	93
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Element (X)		ZX'			Z X	$\Box$	X	•,		No. Ob								h Tempere			
Rel. Hum.			0706		781		84.0				30	≤ 0 #	:	32 F	= 67		- 73 F	> 80 F		F	Tetal
Dry Bulb		419	3758		621	12	66.8	6.9	97	9	30				53	•1	20.4	•	9		9
Wet Bulb		381	9003		592	27	63.7	7.1	23	9	30				39	.0	5.8	3			9
Dew Point		360	4482		574	30	61.8	7.9	03	9	30		$\top$		29	.9	2.0	1			9

GLOBAL CLIMATOLOGY BRANCH
USAFETAC
AIR MEATHER SERVICE/MAC

72536 RANDOLPH AFB TX
STATION NAME

## **PSYCHROMETRIC SUMMARY**

70,73-81

MAY

PAGE 1 0600-0800

Temp.										E DEPRES								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	9 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30	× 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
84/ 83					• 1	• 1												2	2		
2/ 81		:	<u>.                                    </u>		i		İ	<u> </u>										1		<u> </u>	<u> </u>
41/ 79			1	. 6	• 5		1	l	i	1						į		12	12		
70/ 77		<b>-</b>		1.2		-1	-1			11				j				37	37		
76/ 75		2.2	3.8	3.2	. 8		,							į		1		92	92	8	•
74/ 73.		4.1	4.9	2.3	. 3	-1		1	<u> </u>	$\bot$								110	110	69	2
72/ 71	• 2	6.7	5.7	1.9	• 3	. 2	. 3	• 2	!				ļ	1	į.	İ		145	145	106	8
7./ 69.	- 4	. 3.4	8.2	1.7	.8	-1	-4	1	<u> </u>	<del>                                     </del>								141		132	
69/ 67		2.3	4.4	1.4	. 4	. 4	. 3		:	1 :								86		140	
66/ 65	2	3.4	. 3.8	1.0	1	2	2	<u> </u>		$+-\dot{+}$						<del></del>		83			
4/ 63	• 1	1.8	3.8	1.1	• 5	• 5		1	ĺ	i i								73			
521.61.	3		1.2			2	<del> </del>		<u> </u>	++					L			39			
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Element (X)		ZX'			Σχ		X	•,		No. Obs					Mean No	of He	ura wid	Tempere	tute		
Rei. Hum.		631	A264		760	26	81.7	10.5	43	9	30	± 0 F		32 F	≥ 67 F		73 F	- 80 F	× 93	F	Tetel
Dry Bulb			5745		635		68.4			9					62.	6	25.4		9		9
Wet Bulb			5707		601			6.6		9			$\perp$		45.		7.7				9
Dow Point			1781		580		62.4	7.6	92	9			T		33.		2.3				9

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TAC 100 0-26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

72536 RANDOLPH AFB TX 70.73-81 WAY
STATION STATION NAME PAGE 1 0900-1100
HOURS (L. S. T.)

Temp.										DEPRE								TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 3	0 ≥ 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
92/ 91				+			<u> </u>	• 1									7	1	1		,
90/ 89		1	!		1	i I	. 2	1	1						1		1	3	3	). Vi	1
6/ 87					(		• 6	7	.1	l		. 1	• 1		!			9	9		
96/ 85		1	:		2	1.1	- 4	1 .					, ,					17	17	i.	
c4/ 83		-		• 1	1.0	1.5	• 8	• 2		• 1	• 2					!		36	36		1
82/ 91		1	. 1	1.8	3.2	1.5	1.9	1	1	. 1	.1	.1				l	L	8.5	85	ů	
80/ 79		• ~	• 9	4.0	2.8	3.1	8	. 4	- 4	. 3	. 1					:		119	119		
78/ 77:			2.3	3.2	4.2	3.3	1.4	. 8	2	1	3				Ĺ	1	<u> </u>	147	147	9	
76/ 75		. 4	3.2	4.1	4.9	1.4	• 6	1.2	. 5	. 4		1			j	į — –	1	157	157	56	
74/ 73		1.2	2.8	4.1	1.2	1.6	9			<u> </u>		<u> </u>		1 			<u>i</u>	115	115	137	. 3
72/ 71		1.9	2.6	1.9	1.1	$\overline{}$				• 2								95	95	139	10
74/ 69		. 4	1.5	. 8	. 8	. 8	. 8	. 4	L									50			
65/ 67	• 1	. 4	1.3	• 6	• 3	. 3	• 5	• 2										36	36	123	13
16/ 65	• 3	3	. 8	1	. 4	3	. 2					i i					<del></del>	20	20		
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OTAL	6	5.2	16.3	21.6	20.8	16.6	9.9	4.5	2.4	1.3	. 8	.2	.1		ļ				930	+	93
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Element (X)		Zx2			Ex	<del></del>	X	•,	<del></del>	No. Ob	· .	11		<u> </u>	Mean	No. of	Hours wid	h Tampere	ture	L	<del></del>
Rol. Hum.			3840	<del></del>	632	20		114.1		9	30	101	, ,	32 F	2 67	#	+ 73 F	- 80 F	· 93	F	Total
Dry Bulb			6629		701			5.4			30		$\dashv$		87	.0	68.9	20.	8		9
Wat Bulb			9688		631			5.4			30				<del></del>	.6	20.2				9
Dow Point			2372		591			7.6			30		$\neg$			. 5	4.3				9

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

22536 STATION	8ANDO	LPH I	VER I	X TATION N	AME				70.	73-8	1		YE	ARS				MON	Y
																PAGI	E 1	1200-	- 140
Temp.					WET	BULB 1	TEMPER	RATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	0 1 - 2	2 3-4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 2	9 - 30 2 3	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pai
76/ 95				!			! 	• 2					į			2	2		
94/ 93				<del></del>	<del> </del>		2	•2	-		<del> </del>		<del> </del>	+	<del></del>		4	·	
92/ 91	*			:	Í	1 . 1.1	1.0	1 2	• 1		l			• 1		16 35	16 35		
98/ 87		+	•	-	1.4	1.9		. 9	. 3	•••	• 1	. 1	.1	1		60			
6/ 85				6		3.0				2	.3					110			
14/ 83		i	. 4	1.7	3.7	4.0	2.9	1.0	.6	• 3	. 3	:	i			139	139		
EL 81:			1.1.3	1.7	3.7	5.1	1.5	1.0	1.0	9	-2	ļ	<del> </del>	<b></b>		152	_152		
9د/ 79		• 4	1.9	2 • 3	2.9	. 9	1.9	1.2	.8				i		1	118			
7-/ 77		1.2	3. 1.7	2.4	1.5	6	. 8	1.2	<b>⊢+2</b>	5			<del> </del>		<del></del>	95			
76/ 75		•						1 - '	• 1	• 1		i	ļ			6.8			1
74/ 73.		8	9			,	8			<u> </u>	<del></del>		+	<del>                                     </del>		23	23		98
72/ <b>71</b> 72/ <b>69</b> .	. 1.	2 .6	-	- 3		!	• 5		!	!					+ 1	34.	34		104
6: / 67		1 .		1	1	. 4				<del> </del>	<del></del>		1			12		,	140
66/ 65.	•	1	,	. 1	d	. • •		Í	-	1			:			9	9		139
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5.7.57		2		i	· +	ļ	· 		<u> </u>	-	<b></b> _	<u> </u>	<u> </u>	ļ		2	2	18	4.0
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54/ 53				<u> </u>	<u> </u>	i	, 	ļ	<u> </u>		<del>.</del>		i	ļ		<del></del>	<del></del> -	4	21
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Element (X)	ΣX,			ZX		X	<b>*</b> g		No. Ol	»s.						rith Temperat			
Rel. Hum.		66061		543		58.5				30	10	F	1 32 F	≥ 67 1			· 93		lotal
Dry Sulb		16560		745		80.6				30				91.				.6	9
Wet Bulb		6196		649		69.8				30				70.			1		9:
Dew Paint	7.5	15475/		591	1 7 64	47.9	1 7.7	07	a	10		1		43-	0 8-	. <b>7</b> i	1	ł	93

PORM 0.26-5 (OL.A) REVISED MENTOUS EBRICHES OF THIS FORM ARE

GLGBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

#### PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX 70,73-81 MAY PAGE 1 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 231 | D.B.-W.B. Dry Bulb Wet Bulb Dew Point 26/ 95 .1 1.1 11 94/ 93 .8 .1 627 91 .1 .4 .9 1.0 .2 25 25 . 9 C1 / 89 .1 1.5 1.5 1.8 .2 61 61 1.3 2.5 3.3 1.3 1.1 96 48/ 87 • 3 • 5 96 118 118 16/ 85 . 4 2 . 3 2 . 2 4 . 7 . 6 . 6 .4 1.8 2.9 4.4 2.5 1.4 1.1 1.4 . 8 156 4/ 83 156 1.0 1.8 3.3 4.6 1.6 .6 .8 135. 135 7:/ 79 7:/ 77 13 .4 1.2 2.4 2.2 .5 1.4 1.0 • 3 • 6 95 95 .4, 1.3 55 55 .6 .6 1.3 1.0 63 • 1 76/ 75 .9 1.1 .8 1.0 • 9 .5 1.0 58 58 111 16 <u>3</u>0 30 74/ 73 188 68 .6 .2 1.1 .3 . 3 721 . 9 . 6 . 6 32 32. 153 88 • 3 . 4 . 2 13 13 103 100 7./ 69 • 5 • 2. 6 / 67 85 • 3 • 1 11 11 148 • 5 17 62 136 66/ 65 17 1.1 • 2 52 82 64/ 63 • 1 12/ 61 43 39 4. / 59 28 39 39 5:1 57 56/ 55 34 °4/ 53 27 52/ 51 33 50/ 49 24 41/ 47 16 18 46/ 45 447 43 16 42/ 41 40/ 39 36/ 35 930 930 2.5 4.9 6.010.013.917.318.511.8 7.1 4.3 2.7 .5 TOTAL 930 930 Mean No. of Hours with Temperature Element (X) 930 267 F 273 F 280 F 293 F Rei. Hum. 55.714.802 2 0 F s 32 F 3088859 51801 82.0 6.088 930 90.9 85.3 67.6 93 Dry Bulb 6287750 76260 2.4 70.2 5.303 63.7 7.883 . 1 71.6 37.5 93 Wet Bulb 4606811 65269 930 93 Dew Point 930 3834572 59266

3-26-5 (OLA) terreto reevidus epitions of this foam are deso

AC 1084 0-26-5 (OLA)

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722536 RANDOLPH AFR TX

#### **PSYCHROMETRIC SUMMARY**

MAY.

1800-2000 HOURS IL. S. T. PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 - 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Poin 36/ 95 241 93 0./ 91 2 2 37/ R9 .13 -6 48/ 87 15 15 36/ 95 44 44. 4/ 83 .1 1.7 1.9 2.2 . 2 73 73 991 99 .2 1.1 2.6 2.7 2.2 -1 81 .9 1.7 4.3 4.3 1.3 • 3 . 2 138 11 11 125 1.5, 2.6, 4.3, 2.4, 1.7 125. .6 2.0 2.5 3.8 1.7 1.0 1.3 123 10 76/ 75 . 1 • 1: 123 128 74/ 73. 1.2 1.3 2.6 1.3 1.1 83 83 .4 1.5 1.3 1.9 1.1 721 71 72 72 165 80 71/ 69 .a 1.3 49 132 ...6 • 3 . 8: • 5 61 67 . 8 . 8 • 5 34 34 143 112 66/ 65 131 -1 19 19 54/ 63 • 1 71 98 • 5 . 5 • 2 L21 61 31 • 2 3 3 54 • 1 541 57 22 20 56/ 55 35 54/ 53 52/ 51 27 5./ 49 12 41/ 47 16 41/ 45 44/ 43 13 42/ 41 46/ 39 927 5.010.714.122.819.212.1 8.2 4.0 1.6 1.6 927 TOTAL 927 927 Meen No. of Hours with Temperature Element (X) No. Obs. Rel. Hum. ≥ 67 F ≥ 73 F > 80 F > 93 F 4028891 59657 64.414.312 927 2 0 F ± 32 F 76.9 6.002 68.3 5.551 Dry Bulb 5512466 71268 927 87.8 72.2 Wet Bulb 62.8 4346590 63268 927 21.8 38.3 3768189 58673

70,73-81

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATE WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

MAY

722536 RANDOLPH AFB TX
STATION NAME 2100-2300 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B. W.B. Dry Bulb Wet Bulb Dew Point 14/ 83 8 8 . 8 • 1 ./ 81 .2:1.0 .4 1.4 1.2 31 1./ 79 31 • 1 701 77 .3 2.9 3.3 1.9 . 2 81 81 . 1 . 1 . 1 . 1 5 76/ 75 .6 4.9 5.8 3.3 . 2 142 142 31 74/ 73 1.9, 4.2, 7.1, 1.1 . 5 • 5: 144 144 64 42 72/ 71 3.0 3.5 4.1 1.3 . 1 123 123 129 54 . 6 • 6 105 145 71/ 69 1.4 4.7 2.6 1.4 105 127 .2 1.3 3.8 2.0 1.4 92 92 65/ 67 - 8 140 117 .1, 1.0, 2.5, 1.5, 1.0, 46/ 65 61 61 88 107 +4/ 63 . 4 • 1 48 .1, 1.2, 1.6, 1.1 . 6 48 86 123 .4 1.2 1.2 42/ 61 • 2 32 32 72 64 1 / 59 .4 1.0 . 4 • 2 20 20 58 70 F ( / 57. . 2 . 4 37. 47 12 12 • 1 54/ 55 • 1 . 4 28 47 6 64/ 53 . 4 17. 34 24 £2/ 51 . 1 18 51/ 49 4-/ 47 23 41/ 45 20 44/ 43 42/ 41 39 4.1 3 35/ 37 2 2c/ 35 34/ 33 .412.231.032.615.5 5.3 2.2 927 927 TOTAL . 2 . 2 • 1 927 Element (X) No. Obs. Mean No. of Hours with Temperature Ŧ = 67 F = 73 F = 80 F = 93 F Rel. Hom. 5481932 927 70554 76.110.999 ± 0 F ± 32 F Dry Bulb 4707223 65849 71.0 5.661 927 74.3 42.2 3.2 93 Wet Bulb 4368775 61167 66.0 5.946 93 927 51.3 9.7 Dew Point 3721196 58338 62.9 7.338 927 34.6 4.7 93

70.73-81

₹ S S 0.26-5 12

### PSYCHROMETRIC SUMMARY

722536 HANDOLPH AFR TX 70,73-81 MAY

PAGE 1 HOURS IL. S. T.1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Pain (F) :67 95 . 1 141 93 .0 21 21 27 91 •3 • 2 . 2 . 1 .0 . 0 • 0 44 44 _____89 . ۵ 1.1.2: 112 . 2 • Di 180 -8/ 87 . 7 . 1 . 1 .0 180 . 7 L/ 85 .0 289 289 . 3 . 3 4/ 83 • 1 .9 1.3 1.4 . 3 • 0 417 417 . 8 • 2 1 81. .B 1.3 497 497 3(/ 79 . 2 529 529 .4 1.5 1.7 1.6 28 • 2 .6 • 1 7:1 77 1.7.1.8 1.8 585 585 158 . 4 • 3 770 778 76/ 75 • 5 • D: .0 389 .9 2.8 2.8 2.D . 1 51 74/ 73 767. 767. 851 2.6 2.8 3.0 72/ 71 751 751 1077 .D 3.2 3.1 1.7 657 • 3 . 2 • D • 0 71/ 69 648. 648, 1022 1 2.1 3.8 1.1 444 974 444 931 6c/ 67 .1: 1.3; 2.5 • 0 64 65 1.7 2.3 n 403 403 672 012 -.41 307 307 14/ 63 1.1 1.6 . 2 • 3 • C 627 768 194 194 463 1.21 61 ور -2 • 01 . 7 - 6 167 368 40/ 59 167 487 501 57 84 84. 274 394 54/ 55 - 3 . 2 71 71 197 277 . 1 5 3 53 144 4/ 53 262 12/ 51 . 1 34 34 95 224 24 58 24 145 54/ 49 42/ 47 19 19 37 159 • 1 . 2 44/ 45 9 28. 146 91 58 42/ 41 40/ 39 32 7 76/ 35 34/ 33 TOTAL .815.624.216.911.7 9.7 7.7 6.1 3.5 1.7 1.2 7434 7434 Zz, Σx Mean No. of Hours with Temperature Element (X) 267 F 273 F 280 F 293 F Tetal Rel. Hum. 530213 71.316.227 7434 2 0 F ≤ 32 F 39773431 607.3 422.8 186.6 Dry Bulb 547444 7434 744 73.6 8.217 40816000 Wet Bulb 66.9 6.453 744 33574926 497288 7434 446.D 142.7 744

# **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX STATION NAME 69-70.73-80

0000-0200 PAGE 1

Temp.						WET	BIII P 7	EMPERATU	DE DEPOE	SSION /	F)					TOTAL		TOTAL	
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USAFETAC NORM 0-26-5 (OLA)

#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX
STATION NAME

69-70,73-80

YEARS

JUN

PAGE 1 0300-0500 WET BULB TEMPERATURE DEPRESSION (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point EL / 79 2.2 1.8 .1 712.6. 1.4 7:1 77 117 117. 16/ 75 .2 6.3 8.9 2.6 1.0 171 171 11 74/ 73 157 203 2, 8.2, 7.7, 1.2 157 90 . 7 72/ 71 6.5 5.3 189 205 112 112 7 / 69 3.8 6.9 ... 103 103 112 159 6-/ 67 2.9: 3.8 63 . 2 62 115 116 :61 65 2.9 .7. 37 37. 76 9.0 . 1 86 44/ 63 3.6 .9 • 2! • 3 46 46 66 12/ 61. 11 26 50 45/ 59 1.2 1.1 22 22 20 • 1 23 5:/ 57 7 1.0 • 1 5.7 55 8 23 12 •1 •7 8 4/ 53 17 12/ 51 13 5 / 49 46/ 47 6 41/ 45 2 .4/ 43 1 ICTAL_ .737.749.9 8.8 1.9 .8 899 899 899 Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. = 67 F = 73 F = 80 F ₩ 93 F 10F 6632055 76977 85.6 6.748 899 1 32 F Dry Bulb 71.8 5.250 64579 76.0 48.2 4658607 900 68.8 5.129 67.2 5.559 Wet Bulb 4279509 61855 899 66.1 24.4 90 4092760 899 90 60452 58.2 10.1

8 9 0-26-5

#### **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX 69-70.73-80 JUN 0600-0800 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 6/ 85 . 1. 1 .7 81 .2. 2.3. .1 2.9 4.8 ../ 79 78 78 . 4 . 1 7:1 77 157 1.313.9 4.6 157 76/ 75 .1 5.4 9.0 4.6 . 9 181 88 23 . 1 181 . 7 141 74/ 73 1 6.1 6.0 2.2 • 3 141 230 124 72/ 71 109 109 167 209 4.9 5.3 1.2 . 2 . 4 150 1 2.6 3.9 <u>. 3</u>i 71 71 136 1./ 69 .6 6. / 67 .1 2.9 2.0 52 52 88 134 • 2 • 1 1.9 • 6 69 84 31 31 16/ 65 44/ 63 1.9 . 3 . 2 . 1 . 2 25 25 40 53 12/ 61 33 41 .4 10 1 / 59 .7 . 4 10 13 21 19 50/ 57 54/ 55 10 10 54/ 53 7 13 42/ 51 8 50/ 49 45/ 47 4t/ 45 44/ 43 TOTAL .728.442.721.4 3.8 2.4 900 900 900 Element (X) ZX, No. Obs. Mean No. of Hours with Temperature 900 ≥ 67 F = 73 F = 80 F - 93 F Rel. Hum. 74833 1 0 F 1 32 F Tetal 6284515 83.1 8.326 73.4 4.933 69.8 4.774 Dry Bulb 4875970 66096 900 81.4 58.2 6.1 Wet Bulb 900 71.3 90 4408958 62846 32.2 68.0 5.408 900 Dew Point 4184765 61177 64.0 14.7 90

AC 108m 0.26-5 (OLA) service nevicus editions of this folk

## **PSYCHROMETRIC SUMMARY**

722536 FANDOLPH AFR TX
STATION NAME 69-70-73-80

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Dew Point		420	8688		613	44	68.2	5.0	42	-	99			66.	6 13	. n		7	9

USAFETAC NOM 0.26-5 (OLA)

RANDOLPH AFB TX
STATION NAME

### **PSYCHROMETRIC SUMMARY**

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Mean No. of Hours with Temperature

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57.0

84.4 61.4

= 67 F = 73 F = 80 F = 93 F

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1200-1400 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 4/103 • 1 2/101 2 ~G/ 99 • 2 98/ 97 10 10: .2 1.1 o6/ 95 • 1 • 2 . 1 16 16 94/ 93 .6 1.6 1.3 38 38 2./ 91 . 2 .9 3.0 3.1 2.1 91 . 8 91 C./ 89 6 3.7 6.9 5.1 . 4 168 168 68/ 87 .2 1.6 7.2 6.6 3.7 . 9 . 4 . 1 186 186 FE/ 85 .1 4.3 4.9 2.3 133 1.0 133 4/ 83 .1 1.4 2.3 1.9 3.2 . 8 • 3 98 98 .4 1.7 ./ 81 55 55 . 1 1.0 1.9 . 1 . 2 36 36 35 . 2 . 2 . 2 701 77 . 6 . 3 .6 • 2 . 3 18 18 149 10 . 1 76/ 75 . 2 . 9 • 1. 232 . 1 . 2 16 16 24 • 1 74/ 73 . 3 8 8 192 68 72/ 71 . 4 • 1 . 3 8 8 126 164 1 69 . 4 68 154 62/ 67 36 149 . 8 56/ 65 136 91 (4/ 63 21 62/ 61 667 59 58/ 57 5c/ 55 14 54/ 53 14 52/ 51 4 50/ 49 48/ 47 2 46/ 45 44/ 43 1 42/ 41

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69-70.73-80

EIAC FORM 0-26-5 (OLA) REVISED REVIOUS EBITIONS OF THIS FORM ARE

TOTAL

Element (X)

Rel. Hum.

Dry Bulb

Wet Bulb

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# **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX 69-70-73-80 YEARS MONTH

PAGE 1 1500-1700

Temp.						WET	BULB 1	EMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 · 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 3	0 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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^D/ 99												3	1.0					13	13		
66/ 97					-					. 4	. 8	. 6			1		1	16	16		
96/ 95		<u> 1</u>						-1	. 2	1.2	. 8	. 4	2	<u> </u>		<u> </u>		27	27		
94/ 93							• 1	1.2	1.1	2.2	2.4	. 9		1		i		72	72		
24 91		•			·	. 4	1.1	4.3	4.3	5.3	1.9	4	1	<b></b>	<u> </u>	<u> </u>		162	162		
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36/ 85					. 9	1.6	1.4	2.9	1.0	1.0	1.4	. 2		1	ĺ	ļ		93	93		
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Element (X)	-:-	Zx2			E _X	$\Box$	T		<del>'   '</del>	No. Ob	•.			-	Meen	No. of	Hours wit	A Tempere	ture		
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Dry Bulb																			7		
Wet Bulb													7		1						
Dew Paint									$\neg$				$\neg$		<del>                                     </del>	-+		1			

0.26-5 (OLA) BEWED THE

JSAFETAC POR

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 69-70.73-80 YEARS

PAGE 2 1500-1700

																				HOURS (	
Temp.											ESSION (							TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 1	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>= 31</b>	D.B./W.B.		Wet Bulb	Dew Poir
CTAL		1.1	2.3	1.6	3.0	7.2	13.9	22.3	16.3	15.2	10.0	4.1	1.7	•6	• 3	• 3		900	900	900	980
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Element (X)		ZX'			z x		X	7,	<u> </u>	No. O	bs.				Meen N	o. of H	ours with	Temperer	ure		<del></del>
Rel. Hum.			6609		454	67		12.0			200	± 0 l	F :	32 F	≥ 67		73 F	= 80 F	≥ 93	F	Tetal .
Dry Bulb			9833		792	03	88.0	5.7	48		00		T		89	. 7	88.0	82.	8 13	. 8	90
Wet Bulb		488	4290		662	14	73.6	3.7	81		00						59.7				90
Dew Point		403	4278		600	5.0	66.7	5.4	77		00				51		9.7				90

USAFETAC NOW 0.1

722536 RANDOLPH AFB TX
STATION NAME

#### **PSYCHROMETRIC SUMMARY**

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1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 . 4 5 . 6 7 . 8 9 . 10 11 . 12 13 . 14 15 . 16 17 . 18 19 . 20 21 . 22 23 . 24 25 . 26 27 . 28 29 . 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 14/103 • 1 2/101 1 10/ 99 1 1 SE/ 97 26/ 95 . 2 . 1 10 10 94/ 93 10 10 92/ 91 . 7 -4 1.6 .6 . 1 34 34 67. 91 / 89 9 67 -8/ 87 .4 1.6 3.6 4.1 1.2 . 9 107 107 4.3 136 36/ 85 1.3 4.0 _ 4 136 64/ 83 1.6 2.7 3.9 3.6 1.2 129 129 . 6 • 4 E7/ 81 2.0 3.0 129 1.29 4.0 3.4 1.0 .2 1.7 2.4 4.D 36/ 79 . 9 . 4 91 91 19 .1 • 2 7:/ 17 1.7 50 59 1.9 76 . 1 . 6 • 6 . 2 178 76/ 75 .4 1.0 1.0 36 36 37 . 1 74/ 73 1.0 2.0 .3 43 43 229  $\Omega \mathbf{A}$ 72/ 71 . 7 19 19 .2 1.0 . 1 142 110 • 1 70/ 69 112 . 1 • 1 73 61/ 67 163 28 131 £6/ 65 4/ 63 2 2 20 87 . 2 62/ 61 13 49 19 60/ 59 4 50/ 57 51/ 55 12 54/ 53 52/ 51 12 51/ 49 8 48/ 47 2 46/ 45 44/ 43 42/ 41 1.8 4.110.814.319.817.614.0 7.4 5.4 2.7 1.3 900 900 TOTAL . 1 900 900 2, Element (X) ZX, No. Obs. Mean No. of Hours with Temperature Ŧ ≥ 67 F Rel. Hum. ± 32 ₱ = 73 F - 80 F 3362956 53782 59.812.877 900 10 F 6235183 83.0 5.738 72.3 3.925 Dry Bulb 74733 900 89.7 86.2 68.9 90 Wet Bulb 65063 4717399 900 83.1 50.4 90

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69-70,73-80

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## **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX
STATION NAME 69-70.73-8D

2100-2300 HOURS (L. S. T.) PAGE 1

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Temp.						WET	BULB .	EMPER	ATURE	DEPRE	SSION (	F)	T		T	-1		TOTAL		TOTAL	<u> </u>
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88/ 87		<u> </u>	<u> </u>		<u> </u>	3	. 3		1	<b> </b>				!	<del> </del> -	+	<del></del>	8	8		
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Dry Bulb			7914		687		76.4				00					7.9	72.1		6		90
Was Bulb			8560		635		70.6				00				7	6.4	33.2		1		90
Dow Point			2437		608	<u> </u>	67.7				00				1 -	0.1	12.5				90

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX
STATION NAME 69-70,73-80 YEARS PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Poin (F) 174/105 . 0 2 54/103 • 0 . 1 102/101 • 0 10 10 100/ 99 28/ 97 • 1 . 2 . 2 • 1 34 34 96/ 95 53 53 44/ 93 . 2 123 . 6 . 4 • 1 123 .3 1.0 1.1 -/ 91 291 291 .2 1.1 2.2 1.8 . 9 41/89 . 2 • 1 .0 461 461 18/ 87 470 470 £6/ 85 • O .4 2.4 1.8 1.3 . 3 510 510 94/ 83 1.6 460 460 20 32/ 81 .3 1.6 1.9 1.6 • 1 • 1 . 1 518 518 D 1.6 3.2 1.8 1.8 -0 661 661 97 7:/ 77 .5 4.9 2.8 . 2 .0 . 1 .0 776 776 493 30 76/ 75 2.0 4.4 2.5 •0 777: 777, 1150 195 .0 2.5 3.8 1.6 74/ 73 . 2 • 0 628 628 1656 699 72/_71 an 2al 3a2 1al 489 489 1269 1325 75/ 69 .0 1.2 3.0 . 3 • 3 366 366 875 1323 205i 206 65/ 67 622 1151 <u>.0 1.1</u> ₹6/ 65 .0 1.0 . 0 124 124 415 14/ 63 87 87 249 632 42/ 61 43 43 313 . 1 • 0 129 51/ 59 45 45 87 157 5#/ 57; . 1 . 2 28 28 53: 102 54/ 55 49 103 54/ 53 .0 2 20 101 52/ 51 69 55/ 49 43 48/ 47 29 46/ 45 13 44/ 43 42/ 41 Zz, Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hym. 1 0 F 1 32 F 2 67 F 2 73 F ▶ 93 F Dry Bulb Wet Bulb Dew Point

JAK 64 0-26-5 (OLA) BEYIND MEYOUS EDITIONS OF THIS FORM ARE OBSOLETE

USAFETAC FORM S. S. S. S.

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### **PSYCHROMETRIC SUMMARY**

72:536 RANDOLPH AFB TX
STATION NAME 69-70,73-80 PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 7199 TETAL .212.123.914.1 9.410.0 8.9 8.4 5.3 4.0 2.2 .8 .3 .1 .1 .0 7198 7198 Element (X) No. Obs. Mean No. of Hours with Temperature 69.516.438 79.2 7.855 71.3 4.639 Rei. Hum. ≥ 67 F = 73 F = 80 F = 93 F 500562 36754750 7198 685.7 579.6 331.0 24.3 Dry Bulb 720 45561096 569910 7199 Wet Bulb 36763211 513329 7198 618.4 341.7 720 5.7 Dew Paint 485747 67.5 5.306 720 32982609 7198 472.8 92.8

0-26-5 (OL A)

722536 RANDOLPH AFB TX
STATION NAME

## **PSYCHROMETRIC SUMMARY**

PAGE 1 0000-0200 TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 4/ 33 •1 •2 .8 2.0 -8: 1.D -1 43 43. £21 81 86/ 79 . 1.1 6.1, 4.1 2.0 .4 .1 129 129 7:1 77 206. 206. .9, 8.4. 8.D 3.2 1.5 3.913.4 9.8 1.0 76/ 75 261 261 43 167 254 74/ 73 4.5: 9.0 3.8: .3 167 76 .3 4.6 4.0 .3 .2 72/ 71 88 88 310 214 27. 27 235 296 7.1 69 2.3. .4. ___2____ 60/ 67 • 5 73 220 • 1 6/ 65 10 _ 77. 29 14/ 63 2 ... 61. 10 1./ 59 2 5-1 57. 930 930 TOTAL .P16.736.329.111.1 4.3 1.5 .2 Meen No. of Hours with Temperature Element (X) No. Obs. Rel. Hum. 10 F s 32 F 267 F 273 F 280 F 293 F 6037889 74499 80-1 8-683 930 75.8 2.888 71.4 2.120 Dry Bulb 93.0 80.9 930 5356044 70526 9.6 Wet Bulb 4746281 66367 930 91.7 29.9

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## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 69-70,73-80 JUL 0300-0500 Hours (L. 5, 1.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.B. Dry Bulb Wer Bulb Dew Point 2.7 79 36 1.3 2.3 .1 .2 7:1 77 .6 8.4 3.8 1.2 132 132 16/ 75 295 295 36 .2 6.218.1 5.7 1.5 74/ 73 .6 9.814.2 2.6 255 255 235 95 72/ 71 314 243 153 153 .1 7.8 7.1 1.4 / 69 •1, 3•4, 1•5, •1 48. 48 237 297 91 182 6-/ 67 .4 .2 .3 6/ 65. 73 54/ 63 25 6 1 61 4_/ 59 54/ 57 930 930 TOTAL 1.128.653.816.1 3.0 930 930 Mean No. of Hours with Temperature Element (X) No. Obs. 930 ≥ 67 F = 73 F = 80 F = 93 F Rel. Hum. 6730463 78897 84.8 6.328 4 0 F s 32 F 74.4 2.426 71.1 2.217 92.8 71.8 91.3 27.1 930 5149337 69165 Wet Bulb 4712030 66166 930 93 Dew Point 4503461 64673 69.5 2.551 930 82.3 10.1

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC 722536 PANDOLPH AFR TX

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## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX 69-70,73-80 YEARS PAGE 1 THEOLOGICAL TO HOURS (L.S. T.)

WET BULB TEMPERATURE DEPRESSION (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 2 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 26/ 85 • 1. 4/ 83 92/ 81 2 . 8 | 1 . 4 | . 3 | . 2 128 3.8. 7.3 2.5. 128 1 79 7./ 77 1.011.4 5.9 .9 178 178 76/ 75 6.715.5 4.7 252 252 120 22 74/ 73 .2 9.0 8.1 1.9 .1 180 180 324 162

72/ 71 .3 4.3 4.7 .4. 91 91 258 294 2.3 1.7 .1 38 7 / 69 38 143 258 6:1 67 .2. .2 56 123 667 65 .1 .1 17 41 64/ 63 12/ 61 t. / 59 51 / 57

Zx' Element (X) No. Obs. Mean No. of Hours with Temperature ≥ 67 F = 73 F = 80 F = 93 F ± 0 F Rel. Hum. 6489830 77424 83.3 6.894 930 ≤ 32 F 75.8 3.128 70456 930 92.8 79.5 5346778 11.9 Her Bulb 4834343 67015 72.1 2.388 930 90.9 45.2 93

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#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME
STATION NAME 69-70.73-80 JUL 0900-1100 MOURS (L. S. T.) PAGE 1

WET BULB TEMPERATURE DEPRESSION (F) TOTAL 1 . 2 | 3 . 4 | 5 . 6 | 7 . 8 | 9 - 10 | 11 - 12 | 13 . 14 | 15 . 16 | 17 . 18 | 19 - 20 | 21 . 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 23 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point . 3 4/ 93 • 6 • 1 11 11 92/ 91 . 9 29 . 9 9.,/ 89 75 75 .2 4.7 2.2 28/ 87 1.5 5.8 4.8 1.3 129 129 159 6/ 85 .5 8.0 6.5 1.6 159 199 199 24/ 83 .8 6.510.3 3.8 .4 3.1 8.2 3.1 .5 143 1/ 51 143 .9 4.8 4.0 .6 96 96. E 1 79 71/ 77 .3 1.2 1.3 .6 .1 33 33 80 76/ 75 1.4 .9 26 26 325 74/ 73 .8 .3 10 10 391 98 72/ 71 84. 266 • 5 . 4 . 4 8 8 33 281 6:1 67 172 66/ 65 60 64/ 63 12/ 61 5 / 59 930 1.7 5.611.220.023.816.811.9 5.5 2.7 930 930 Element (X) No. Obs. Rel. Hum. = 47 F = 73 F = 80 F = 93 F 930 1 32 F 3861171 59081 63.510.776 10 F Dry Bulb 6539798 930 93.0 91.0 93 77884 83.7 4.316 80.4 Wet Bulb 74.1 1.954 79.8 5109705 68911 930 92.6 93 Dew Point 4526748 64840 69.7 2.557

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722536 RANDOLPH AFB TX
STATION NAME

### PSYCHROMETRIC SUMMARY

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PAGE 1 1200-1400 HOURS IL S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 172/131 1.0/ 99 1.1 1.0 1.0 98/ 97 . 2 31 31 1 2.0 4.2 3.8 100 100 6/ 95 94/ 93 .2 2.3 4.9 6.1 2.3 148 148 9./ 91 3 2.2 5.6 5.7 1.8 158. 158. 1./ 89 .1 2.0 5.9 8.4 1.5 169 169 115 28/ 87 .5 4.7 5.2 1.6 115. 26/ 85 .1 3.8 3.0 1.0 .3 76 76 ·4/ 83 32 32 1.4 1.3 - 6 62/ 81 25 25 .5 1.6 • 3 • 1 • 1 C:1 79 . 5 16 16. 10 7 - 1 77 . 8 . 4 . 3 . 1 15 15 141 76/ 75 . 3 5 368 53 74/ 73 • 5 308 • 1 8 77/ 71 7.0 141 7./ 69 • 1 1 28 202 6.1.67 244 -6/ 65 155 73 14/ 63 42/ 61 33 £____ 59. 16 5/ 57 5 54/ 55 54/ 53 1 : 2/ 51 930 TOTAL 1.3 1.9 2.0 4.1 6.310.914.718.315.413.5 7.8 2.0 1.0 930 930

69-70,73-80

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Mean No. of Hours with Temperature No. Obs. Element (X) Rel. Hum. = 67 F = 73 F = 80 F = 93 F 10 F 1 32 F 2430759 46187 49.712.142 930 Dry Bulb 29.8 930 93.0 91.7 88.4 93 83494 89.8 5.276 7521822 Wet Bulb 518645Q 69426 74.7 1.992 930 92.9 82.7 93 Dew Point 93 4287189 63069

### **PSYCHROMETRIC SUMMARY**

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722536 RANDOLPH AFB TX
STATION NAME 69-70,73-80 1500-1700 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL Temp. TOTAL D.B. W.B. Dry Bulb 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 Wet Bulb Dew Poin 4/103 . 2 . 1 . 1 . 2 6 6 02/101 • 9 13 13. .5 3.5 1.7 1.1 **b**~o/ 99 . 1 66 66 • 1 28/ 97 1.1 4.1 4.1 94 94 6/ 95 .1 1.1 4.9 5.9 2.2 138 • 5 • 1 138 4/ 93 .3 1.5 3.9 6.1 3.D 141: 141. 927 91 .2 2.0 2.8 6.3 2.0 128 128 • 3i 1.1 4.3 4.5 1.5 00/ 89 109: 109: .1 2.6 1.9 1.5 .3 (8/ 87 61 61 6/ 85 . 9 .2 1.3 1.6 . 3 41 41. -4/ 83 24 • 1 .9 1.0 • 5 • 1 24 c2/ 81 . 4 24 24: 1.4 87/ 79 1 . 1 • 1 . 9 1 . 4 • 5 28 28 11 7:1 77 • 5 13 13 119 76/ 75 5 • 1 . 4 10 10 328 • 5 . 4 74/ 73 1.6 . 3 23 23 311 30 72/ 71 • 2 • 1 116 111 70/ 69 147 38 68/ 67 204 66/ 65 188 4/ 63 120 (2/ 61 62 4:/ 59 34 51/ 57 19 5c/ 55 14/ 53 72/ 51 2 1.6 2.9 3.1 4.3 3.3 6.1 9.610.813.214.613.910.3 3.3 2.2 TOTAL 930 930 930 930 Element (X) Zx No. Obs. Mean No. of Hours with Temperature ≥ 93 F 930 ≥ 67 F ≥ 73 F ≥ 80 F 2202349 46.414.747 5 0 F ≤ 32 F 43131 Dry Bulb 91.2 6.599 74.3 2.120 7768561 84777 930 93.0 91.9 86.0 45.8 93

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722536 RANDOLPH AFR TX
STATION NAME

## **PSYCHROMETRIC SUMMARY**

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46/ 95		<del></del>							<del></del>	4			-8	• 1			<del> </del> -	51	51	+	
94/ 93									.4				• 6	• 1	i			68	68		
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9./ <b>89</b>					. !	-		3.2 1.5.1	,	1.8	,	1	i		:			103	103		
8/ 87		+	:	<b>.</b>						1.0				<del> </del>					108	+	
16/ 85. 94/ 83:					1.6		2.6		1.2	• 3			:	. 1	1			108	92.		
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Rel. Hum.		_=_	5662		505	1.9	<del></del>	15.4			30	10	e ,	32 F	± 67		73 F	≥ 80 F	≥ 93 F	Ť	erel
Dry Bulb			4769		803			6.4			30	_ <u></u> -	<u> </u>		93	_	91.6			<del></del>	
Wer Bulb			4900	_	680			2.1	_		30				93		61.1				
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69-70,73-80

MORN 0-26-5 (OL A)

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 69-70,73-80 JUL MONTH
STATION STATION NAME PAGE 1 2100-2300

2100-2300 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (**F**) 02/ 91 . 1 91/89 12. __12 • 3 88/ 87 1.1 1.2 1.7 40 40 . 5 2.0 2.7 1.9 36/ 85 69 69 54/ 83 2.2 3.9 4.0 1.7 . 6 115 115 91/81 1 2.0 5.5 6.3 2.5 154 154 57/ 79 •1 1•1 5•5 8•2 3•0 •1 167 167 1 721.77 3.2 6.9 3.9 1.2 142 142 . 1 96 2 76/ 75 1.3 3.4 6.0 1.6 116 116 74/ 73 .9 3.9 1.6 60 60 322 50 72/ 71 2.3 1.5 .4 . 2 274 147 41 41. 71/ 69 1.2 .2 193 258 253 36 68/ 67 139 66/ 65 64/ 63 55 £2/ 61 13 50/ 59 8 58/ 57 TOTAL 5.713.422.521.416.810.4 4.9 3.8 930 930 930 930 Element (X) ZX, Zz No. Obs. Mean No. of Hours with Temperature = 67 F = 73 F = 80 F 930 Rei. Hum. 4617075 ≥ 93 F 64579 69.411.953 Dry Bulb 79.6 4.301 72.0 2.097 93.0 87.6 930 48.8 5905515 74001 Wet Bulb 66953 930 92.5 4824197 42.2 5.3 Dew Paint 71.1 93 4349275 63545 68.3 2.818 930

PORM 0.26-5 (OLA) - REVISED REVIOUS EDITIONS OF THIS FORM ARE

USAFETAC FORM S. S. S. S. S.

#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX
STATION NAME 69-70.73-80 باللل PAGE 1 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point •0 • 0 • 0 • 0 04,103 DZ. 101 • 5 . 2 .0 . 3 .0 95 95 1967 99 • 1 58/ 97 158 158 76/ 95 1.3 . 1 . D 289 289 1.6 24/ 93 . 8 .6 1.4 2.4 413 413 67/ 91 • 1 .DI .4 2.3 468 468 / 89 2.6 º8/ 87 467 467 .3 2.2 2.3 1.2 .2 2.2 2.3 1.D 454 454 26/ 35 . 4 477 94/ 83 .2 1.7 2.6 1.4 477 .1, 1.3 2.9 1.6 495 495 22/ 81 • O: . 7 3 1 / 79 .0 1.1 3.6 3.0 1.1 666 666 . 1 .0 755 75/ 77 4 4.3 3.5 755 1.5 . 4 999 999 1527 76/ 75 .3 2.3 6.8 3.7 . 6 64 734 734 2500 589 74/ 73 3.3 4.9 1.4 .1 2.8 2.3 . 0 414 414 1639 1529 72/ 71 . 3 141 141 991 1938 1.3 7./ 69 __6 • 1 . 1 21 21 297 1597 6-/ 67 . 2 49 913 66/ 65 .0 10 452 64/ 63 194 12/ 61 88 11/ 59 55/ 57 47 14 56/ 55 :4/ 53 8 52/ 51 <u>.310.320.214.1 9.9 8.3 7.3 6.9 6.2 5.3 4.7 3.5 1.9</u> 7440 7440 No. Obs. Mean No. of Hours with Temperature Element (X) 7440 ≥67 F = 73 F = 80 F = 93 F Total 66.418.305 35335198 494316 82.1 7.760 72.9 2.501 Ory Builb 743.6 686.0 404.4 744 50572624 610678 744D Wet Bulb 39533109 737.7 445.0 744 542015 7440 744 Dew Point 7440 572.1 65.7 35043272

C robb 0-26-5 (OL.A) revise nevious comons or insi-

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME 69-70.73-80 AUG 0000-0200 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 (F) 54/ 83 .1 .2 .1 44 44 - / 81 1 1.2 1.6 .6 1.2 4.3 3.4 1.7 2.7 113 113 · (/ 79 7:/ 77 .2 2.311.3 5.8 1.8 .8 206 206 76/ 75 196 196 104 16 .1 3.210.0 6.1 1.4 74/ 73 4.3 8.3 4.2 .5 161 161 231 142 72/ 71 6.2 6.0 1.9 132 132 220 183 3.1 2.3 .5 7:/ 69 56 56 232 215 172 13 13 88 60/ 67 127 ~6/ 65 .3 .2 46 15 €4/ 63 52/ 61 6.7 59 c - / 57 930 930 TOTAL .319.843.423.3 7.2 4.4 1.4 .1 930 930 Mean No. of Hours with Temperature Element (X) No. Obs. X ≤ 32 F = 67 F = 73 F = 80 F = 93 F Rel. Hum. 6248790 75808 81.5 8.642 930 5 0 F Dry Bulb 5285502 70042 75.3 3.339 930 92.5 72.4 8.7 93 930 Wet Bulb 66210 71.2 2.781 87.8 33.8 93 4720908 Dow Paint 64359 69.2 3.252 930 73.0 16.0 4463673

FORM 0-26-5 (OL.A) sevisto resvous torious or Ins

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#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX
STATION NAME 69-70,73-80 AUG 0300-0500 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 52/ 81 .2 .1 50 31/79 7:1 77 4.4 9.6 1.8 1.1 161 161 .2 8.210.5 3.2 1.5 220 220 101 76/ 75 .5 6.3 8.7 2.0 .1 74/ 73 166 166 217 163 72/ 71 7.8 8.6 1.6 171 171 169 170 7. / 69 4.8 3.8 • 5 85 85 224 180 124 2.9 1.6 42 42 164 6./ 67 16/ 65 1.4 .6 19 19 53 138 . 5 29 44 44/ 63 6 6 12/ 61 . 1 • 1 2 25 (.../ 59 11 5-7 57 I TAL 836.646.310.6 3.7 1.9 930 930 930 930 Mean No. of Hours with Temperature No. Obs. Element (X) Rel. Hum. 930 10F ≤ 32 F 267 F 273 F 280 F 79536 85.5 7.321 6851922 73.8 3.452 70.7 3.220 69.2 3.548 Dry Bulb 90.3 5076731 68637 930 60.5 2.4 Wet Bulb 83.7 4659641 65761 930 32.0 Dew Point 9966240 930 71.0 19.6 64364

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# PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION NAME
STATION NAME

69-70.73-80

AUG

0600-0800 PAGE 1

Temp.				,		WET	BULB 7	EMPERA	TURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - :	30 - 31	D.B./W.B.	Dry Bulb		Dew Poi
4/ 83		•			• 3	•1		• 1	- 10	··				1			-	5	5		
E2/ B1					• 3			• 1						1				41	41		
F(/ 79					1.2	<u> </u>	<del>                                     </del>							<del> </del>				109	109		
75/ 77	. 1				1.0										1		1 :	195	195	8	. 1
76/ 75		7.0				• 1	,											185	185	158	
74/ 73		7.5				• 1			i					ļ	j			171	171	245	
72/ 71		5.9													,		+	120	120	213	
10/ 69		3.0			_ 1		, ,		1					1	}			53	53	151	1
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£6/ 65 L		1.3			ĺ		: i		i					İ				16	16:		
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Element (X)		Z _X ,		<del></del>	ZX		R	•	$\neg$	No. Ob				<u> </u>	Mara 1	10 -7	Hours with	Topper			Ь
Rel. Hum.			4040			-					30	= 0		5 32 F	2 67		a 73 F	- 80 F	≥ 93 F		Total
Dry Bulb			4960		786			7.40			30	- = 0	<del></del>	- 34 F						<del></del>	9;
Wer Bulb			9534					3.70					-+-			-1		TO.	<del>`</del>	-	9.
Dew Point			<u> 5973</u>		665			3.16			30						41.1		+		
Dew Feint		720	6044		650	9.0	1 V . V	3.39	91		30				77	<u> </u>	24.9		<del></del>		2:

**PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 722536 RANDOLPH AFR TX 69-70,73-80 YEARS PAGE 1 0900-1100 WET BULB TEMPERATURE DEPRESSION (F) D.B./W.B. Dry Buib Wet Buib Dew Paint 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 (F) . 4 94/ 93 . 1 . 1 • 3 92/ 91 -9 21 21 9.7 89 .2 1.1 2.9 2.0 61 61 1.3 5.6 4.5 1.0 115 115 28/ 87 .9 8.8 6.7 2.2 1.2 7.3 7.8 3.1 .8 6/ 85 174 188 188 24/ 83 º2/ 81 .8 4.1 7.5 3.0 1.3 .1 156 156 100 1.5 4.0 3.5 1.6 100 7. / 77 54 54 .1 2.2 2.6 .8 .2 76/ 75 8 1 3 . 5 26 74/ 73 15 15 337 .4 1.2 72/ 71 ....2 7./ 69 .1 .2 6 / 67 66/ 65 64/ 63 12/ 61 60/ 59 TOTAL 1.5 7.312.420.223.018.110.8 4.2 2.2 .4 930

No. Obs.

930

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± 0 F

≤ 32 F

64.510.630

83.6 4.075 74.2 1.999

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MONTH

333

29

Mean No. of Hours with Temperature

92.5

77.3

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92.9

#47 F # 73 F #80 F #93 F

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150

235

247

78

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93

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GLOBAL CLIMATOLOGY BRANCH

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Element (X)

3974521

6508810

5129451

المراجعة المنافية وأنفاهم مالاحطوا والمراجعة

Rei. Hum.

Dry Bulb

Wet Bulb

المعطاقة والمرازي والماد الموجوب

### **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX STATION NAME 69-70.73-80 AUG 1200-1400 HOURS (L. S. T.), PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 • 1 12/101 1 1 20/ 99 96/ 97 . 8 .6 1.1 • 1 25 • 1 25 °6/ 95 2.0 2.8 2.8 79 79 14/ 93 .3 2.8 4.8 4.1 1.0 122 122 .1 3.8 5.7 5.9 1.3 1.5 8.7 7.8 1.5 .9 ·/ 91 156. 156. 190 190 .2 3.8 5.9 3.8 .2 132. 132 -8/ 87 1 6/ 85 .2 1.5 3.7 2.4 1.1 85 85 39. 14/ 83 1.5 1.1 39: - 8 12/ 81 . 8 . 9 . 8 24 24 • 2 961 79 19 19: . 3 . 4 10. 7:1 77 • 5 . 5 • 2 14 14 142 • 1 • 1 . 4 15 76/ 75 1.J 349 9 . 2 10 299 43 74/ 73 . 2 . 6 10 2/ 71 82 143 7./ 69 199 • 2 257 6:1 67 · 6/ 65 155 44/ 63 <u>65</u> ·2/ 61 37 1 ./ 59 15 5. / 57 54/ 53 930 TOTAL .8 3.1 2.8 2.5 4.710.421.621.214.8 9.9 4.9 2.4 . 1 930 930 930 Element (X) Zz, No. Obs. Mean No. of Hours with Temperature -73 F -80 F -93 F Rel. Hum. 2495408 46948 50.511.618 930 4 0 F ± 32 F ≥ 67 F 89.2 5.144 74.5 2.142 Dry Bulb 82965 930 93.0 92.3 87.5 93 7425861 93 Wet Bulb 5169722 69310 92.8 80.0 930 • 1 Dow Point 4294757 63129 67.9 3.201 930 65.3 5.4 93

BEVISED ( (OLA) 0.26-5

## **PSYCHROMETRIC SUMMARY**

722536 HANDOLPH AFB TX 69-70,73-80 YEARS MONTH

PAGE 1 1500-1700

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRI	SSION	F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28 29	- 30 = 31		Dry Bulb		Dew Pois
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~D/ 09									i	-	ļ	. 3	1.1	. 5		• 1	19			
38/ 97					<u> </u>	ļ <b></b> -		<del></del>	<b></b>	<u> </u>	8	3.4	3.3	6	. 2		7.8	78		
96/ 95						i		:	l .	2.6	5.4	4.3	1.0	ł		!	123	123		
<u> </u>		<b>.</b>					2	1	1.8	7.2	5.4	1.9	5	2	·		162	162		
92/ 91									: 4 . D			. 8	į	!	i i		149	149		
"L/ 89							1.2	1.6		J	7	. 3		<del></del>			113;	113		
º8/ 87					• 1		1.8	ſ	2.2	.8	. 4		į	į.			74	74		
<u> 6/ 85.</u>		<del>-</del>			1			1.4		1	<del></del>	<del> </del> -		<del> </del>	<del> </del>	<del></del> -	46	46.		
84/ 83			• 1			1.5	1.2		I I		i		1		1	1	41	41		
54/ 81		+		6			1	-1	<del> </del>	<del></del>	+	<del> </del>		<del></del>			<del>- 21</del>	21		
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Element (X)		ZX,			ZX		¥	<b>₹</b>		No. Ol	100.				Mean No.	of Hours wit	h Temperat	ute .		
Rel. Hum.		224	7036		439		47.2	13.5	67	9	30	≤ 0		32 F	≥ 67 F	≥ 73 F	- 80 F	≥ 93 F	T	otal
Dry Bulb			8383		841		90.5	5.9	84	9	30				93.0	92.7	86.	90.	0	9
Wet Bulb			2362		690			2.1	<del></del>		30				93.0			5		9
Dow Point		415	8490		620	94	66.8	3.6	85	9	30		J		51.2	4.5	i l	i	1	93

ETAC FORM 0-26-5 (OLA) REVISE MENDUS ES

GLCBAL CLIMATQLQGY BRANCH USFFETAC AI: MEATHER SERVICE/MAC

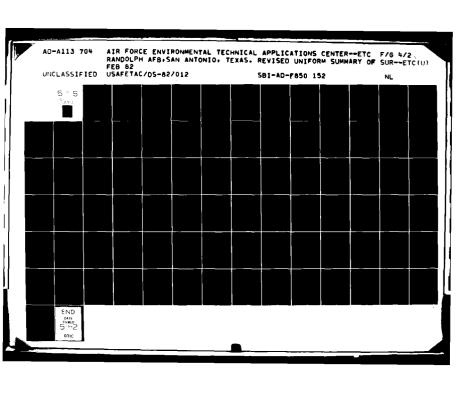
## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 69-70,73-80 AUG 1800-2000 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point C/ 49 7 •2, •5 97 /ع -6 76/ 95 25 .6 1.5 25 4/ 93 .2 1.5 1.9 1.1 45 45 92/ 91 .6 1.4 4.0 2.0 .2 77 77 .9 ·_/ 89. <u>.1. 3.3; 4.5 1.6;</u> 100. 100 .2 3.9 4.5 2.9 . 6/ 87 • 3 • 9i 118 118 _6/_85. 3.1 4.2 4.1 1.3 125. 125 4/ 83 .2 2.5 4.0 3.2 1.6 .4 .1 112 112 ·/ 61 .5 2.7 3.5 2.0 1.0 92 92 .:/ 79 .6 2.5 1.9 2.5 .4 77 77 37 7 / 77 1.7 2.6 1.8 1.0 69 69 37 76/ 75 .4 1.6 1.2 37 196 352 74/ 73 .5: 1.4 .6. 24 32 72/ 71 •5 •1. 193 144 103 7 / 69 177 6: / 67 203 66/ 65 172 91 F4/ 63 -21 61 53 59 59/ 57 50/ 55 1.6 6.0 7.7 9.614.314.315.210.9 8.8 5.8 3.3 1.5 1.0 930: 930 930 Mean No. of Hours with Temperature Element (X) No. Obs. 267 F 273 F 280 F 293 F 93.0 92.0 76.2 8.9 Rel. Hum. 3191263 52827 56.814.321 930 4 0 F : 32 F 6751436 85.0 5.792 72.9 2.339 93 Dry Bulb 79056 930 930 92.5 58.7 Wet Bulb 93 4952296 67830 Dew Point 4206179 93

1 0-26-5 (OLA) REVISED PREVIOUS EDITH

USAFETAC 108M

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GLUPAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC ATR WEATHER SERVICE/MAC 722536 FANDOLPH AFR TX
STATION STATION NAME AUG 69-70,73-80 PAGE 1 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 - 31 . 2 . 3 6 • 1 6 9(/ 89 58/ 87 .1 1.6 1.1 1.3 43 26/ 85 • 3 • 1 43 24/ 83 .3 2.6 101 101 3.9 2.5 154 154 1 .2 3.1 6.7 4.2 1.9 £2/ 81 174 174 81/ 79 2.5 6.5 5.7 3.7 145 145 7:1 77 .8 4.4 4.3 4.9 . 8 16/ 75 118 118 .9. 4.7 4.9 1.7 .3 1.7 6.7 2.4 .6 .1 107 107 279 79 74/ 73 _55 248 179 55 72/ 71 2.2 2.5 1.2 10 179 70/ 69 .2 .8 . 1 10 247 61 194 66/ 67 16/ 65 25 122 49 44/ 63 25 12/ 61 14 + = / 59 587 57 5t/ 55 TOTAL 5.921.822.722.614.7 6.2 3.9 1.2 930 930 No. Obs. Mean No. of Hours with Temperature

4 0 F

930

930

930

≤ 32 F

93.0

90.1

#47 F # 73 F #80 F +93 F

41.7

86.3

₹ 9

Element (X)

4954220

5766816

4810991

4387460

67064

73134

66847

72.111.276

78.6 4.105 71.9 2.569 68.6 3.341

Rel. Hum.

Dry Bulb

Wet Bulb

Dew Point

#### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 69-70,73-80 AUG PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.8./W.8. Dry Bulb Wer Bulb Dew Point (F) • 0 134/103 • 0 52/101 16. 10/ 99 • 2 38 38 115. 115. ºE/ 97 **.** 6i 96/ 95 .6 1.1 1.1 . 3 227 227 338 338 94/ 93 1.7 12/ 91 .7 1.5 409 439 24/ 89 470. 470 .5 2.1 .3 1.9 2.2 1.3 . 3 454 454 8/ 87 473 473 6/ 85 .2 2.0 2.2 1.4 . 2 94/ 83 .0 .3 1.8 2.4 1.4 • 6 •1 .0 490 490 .1 1.7 2.6 1.7 540 540 82/ 81 20/ 79 .1 2.3 3.0 2.0 1.6 • 1 . 0 679 679 7: / 77 0 1.4 5.3 2.8 1.5 863 863 . 4 •1 .1 2.6 4.9 2.5 817 817 1678 162 76/ **7**5 . 8 • 1 • 0 74/ 73 .1 2.6 4.3 1.6 661 2300 . 2 72/ 71 .0 2.9 3.1 497 497 1334 1342 • 1 75/_69 0 1.4 1.2 210 1015 1627 6:1 67 89 89 428 1508 .7 • 5 .0 153 1093 • 2 40 ·16/ 65 8 64/ 63 • 0 8 70 441 236 62/ 61 .0 60/ 59 121 56/ 57 40 56/ 55 10 54/ 53 7440 .312.222.012.6 9.2 8.6 7.1 7.4 6.3 6.1 3.9 2.4 1.2 7440 7440 7440 Element (X) Zx? Y No. Obs. Mean No. of Hours with Temperature ≥ 47 F = 73 F = 80 F = 93 F 67.818.032 Rel. Hum. 7440 36658120 504718 Dry Bulb 605419 7440 738.9 659.3 391.8 73.7 744 81.4 7.673 49703043 Wet Bulb 39351344 72.7 2.952 719.7 442.0 744 540640 7440 Daw Point 744 549.4 101.7 510419 7440

D-26-5 (OLA) service mercous corrors or thes

AFETAC 10m 0.34 6

#### PSYCHROMETRIC SUMMARY

722536 KANDOLPH AFR TX
STATION HAME SEP YEARS PAGE 1 0000-0200 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 a 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point · 4/ 83 21.81 > (/ 79 1.1 17 17 761 77 1.8 8.8 2.0 117 . 2 76/ 75 4.911.1 2.1 167 167 52 12 74/ 73 6 5.9 7.9 1.8 151 151 152 103 72/ 71 .3 5.2 7.1 1.9 • 3 . 1 135 158 135 191 1.1.69 3-6, 4-3, 1-1 A 9: AQ. 148 148 6. / 67 2.1 1.0 1.3 47 . 1 47 84 129 661 65 1.3 1.8 1.0 39 39 63. 84 64/ 63 1.8 1.4 . 8 . 1: • 1 38 38 47 45 1.2/ 61 _.7, . 3 30 30: 39 34 F. 1 59 .3 1.6 21 . 4 21 39 32 5:1 57 46, 146, 40. 5:/ 55 • 3 • 7 . 1 15 15 27 26 54/ 53 24 _**1**i F2/ 51 • 3 3 14 23 5.1 49 12 4: / 47 1 44/ 45 19 44/ 43 5 42/ 41. 40/ 39 929-149-714-2 3-3 1-1 1-1 900 900 900 900 Element (X) No. Obs. Magn No. of Hours with Temperature Rel. Hum. 4 0 F 1 32 F = 67 F = 73 F = 80 F = 93 F 6346426 75128 83.5 9.138 900 Dry Bulb 71.2 5.846 67.8 6.236 72.7 64045 4588239 900 45.6 90 Wet Bulb 4169539 61001 900 20.5 90 61.6 Dow Paint 900 3950416

69-70,73-80

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بالرائد المراجين فينوافنان الماليا المووويون And the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of the same of th

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60245

54809

85.9 8.399

69.8 6.387

67.0 6.806

65.4 7.670

722536 RANDOLPH AFR TX

#### **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

+ 92 F

90

90

90

-47 F -73 F -80 F

19.5

68.4 37.2

52.4 12.0

58.2

er a commence of

SEP

0300-0500 HOURS (L. S. T.) PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B. W.S. Dry Bulb Wet Bulb Dew Point 35/ 79 . 2 10 10 .1 2.8 5.7 7:/ 77 81 81 76/ 75 .7 5.5 9.0 • 6 . 1 142 142 59 24 .7 6.7 6.7 1.3 .8 7.0 5.7 .2 74/ 73 -1 139 139: 95 72/ 71 • 2 . 2 150 127 127 155 .2 7L/ 69 .2 7.7 4.9 .6 122 122 136 140 6°/ 67 .1 2.0 3.2 1.4 62 100 62 108 66/ 65 1 1.8 1.0 1.2 42 61 73 64/ 63 1.7 1.3 . 8 • 1 35 35 53 52 2.0 1.2 £2/ 61 . 7 35 35 37: 35 .1 1.1 1.7 £[/ 59 • 3 31 31 40 37 55/ 57 .8 1.4 25 32 46 54/ 55 1.1 .8 . 2 24 32 33 24 4/ 53 .1 1.2 13 13 22 23 °2/ 51 . 3 • 3 18 22 56/ 49 -1 • 3 22 4 15 4: 40/ 47 . 1 46/ 45 44/ 43 42/ 41 3.140.745.4 6.7 3.1 . 2 . 2 899 899 899

No. Obs.

899

899

899

199

20 F

: 32 F

69-70.73-80

₹ ತ 0.26.5

Element (X)

Rel. Hum.

Dry Bulb

Wet Bull

Dew Point

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME 69-70-73-80

DAND-DAND PAGE 1

Temp.						WET	BULB	TEMPER	RATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8		11 - 12						23 - 24	25 - 26	27 - 28	29 - 30	= 31	D.8./W.8.	Dry Bulb	Wet Bulb	Dew Po
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76/ 75		5.8															<u> </u>	157	157	69	2
74/ 73	. 8	7.4	6.6	• 6						1							j	141	141	160	10
72/ 71:	7	5.9	1	1.2	3	L	ļ		ļ	-				L			<b> </b>	112	112	155	17
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2/ 61		1.3	1.2	. 6	• 6	4			1	! !		]			}			33	33	37	-
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Dew Point			מפת		592		65.8				00		_		54	_	13.4				

## PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFB TX
STATION NAME
STATION NAME 69-70.73-8G SEP 0900-1100 PAGE 1

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8								23 - 24	25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	bry Bulb		Dew Pei
94/ 93		+				<del></del>						• 2		1			1	2	2		<del>!</del>
92/ 91							1			. 3	.1	•		1				4	4		į
01/89		1				• 2	• 2	• 9	. 3	.2				1			1	17	17		
98/ 87				1		. 7	i		.3		2			1	Ĺ			45	45		
R6/ 85			;		. 4	4.7	2.4	• 6	.1	• 3								79	79		1
64/ 83		<u> </u>	1	1.0	4.3			. 7	.2				Ĺ				<u> </u>	104	104		L
F2/ 81			•2	5.8	5.6	1.7	.7	. 9	. 3	• 2	1	1		-		i İ		138	138		1
36/ 79		-	2.3	5.3	2.8	1.3	. 8	1.1	3	1	-1			<b></b>	<b>↓</b>	Ĺ	<del></del>	128	128	3	
78/ 77		.6	3.9	2.4	1.2	. 8	1.1	• 3	. 4	.1	.1	Í		1	1		1	99	99	42	1
76/ 75		. 8	3.4	1.2	1.3	1.0	. 6	3	1	-1	L	<b></b>		<u> </u>	<b></b>	<b>.</b>	↓	80	80		
74/ 73		. 6		1.6	1.0	.7	.6	į.	• 6						1			65	65		
72/ 71		9		. 9	7		-4	- 4	3	<del> </del>		<b> </b>	ļ	—	<del></del>	<b></b>	<del> </del>	46	46	95	
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Element (X)		Zx2	i		ž x		Ī	7.0		No. Ol	<b>a</b> . 1				Magn I	to, of t	lours wit	h Temperah	w•		<del> </del>
Rei. Hum.			0007	<del>,                                     </del>	609	31	67.7			9	00	10	P	≤ 32 F	2 67	•	≈ 73 F	> 80 F	- 93	F	Total
Dry Bulb			6082		708		78.8				00				87	.0	76.1	46.2	2	• 2	90
Wet Bulb			0395		637		70.8				00				71		48.5				9(
Dow Point			7107		600		66.7				00		_		59		14.0			$\neg$	90

GLCRAL CLIMATOLOGY BRANCH USAFETAC AIR (EATHER SERVICE/MAC 722536 SANDOLPH AFR TX STATION

## **PSYCHROMETRIC SUMMARY**

722536 SANDOLPH AFB TX 69-70,73-80 SEP MONTH

PAGE 1 1200-1400

																			HOURS IL	., S. T.I
Temp.		_					BULB T										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28 29	- 30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb:	Dew Po
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. ÁŽ 95.									· 	a	9	2	3				20			
4/ 93								. 1	. 9	1.6	1.1	• 1	.1		· .	!	35	35		
2./ 91							1		3.0			I .			·					
6 / 89						. 1	1.8	5.1	4.3	1.3	. 2	. 3	2	.1			122	122		
58/ 87.							5.3				t .						124	124		
6/ 85					. 3	5.3	4.1	2.7	. 4	1.8	. 7	• 2	4	I			140	140		
:4/ 93.				2	2.2	2.0	1.4	1.1	1.7	6	8	1	<b>-</b>		<b></b>		91	91		
./ A1				. 6	1.9	1.4	. 8	1.1	. 8	. 3	. 2	• 3	r I				67	67	1	
1. 1. 79.			. 6	1.4	1.4	1.1	. 6	. 4	6	-4	2	1		<del></del>	·		62	62	7.	
7. / 77		• 1	• 8	• 9	• 3	. 6	. 7	• 2	. 4	. 6	. 1		:	i	1	í	42	42	85	
761 75.		2.	8.	9	7.	-1	.2	7	2	7	-1	<b>.</b>		· +			41	41	247	
74/ 73		• 2	•6	. 6		. 6	• 2	• 2	. 4	- 1					1	1	27	. –	190	5
7.1.71.		4.	-6.	. 2					<u> </u>		:			<del> </del>	· · · · · ·		15		98	14
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					:	1								1						
Element (X)		Z X'			ZX		¥	٠,		No. Of	s.	<u> </u>			Meen No.	of Hours wi	fh Tempere			
Rel. Hum.			3543		491		54.6				00	= 0	F	± 32 F	≥ 67 F	= 73 F	> 80 F	• 93	<del></del>	Total
Dry Bulb		644	7901		759		84.4			9	00				89.1			9 5	.8	9
Wer Bulb		466	6386		646		71.8			9	00				77.1		<u> </u>	1		9
Dew Point		100	2534		589	7 7	65.5	4 0	امی	_	00		- 1		52.4	6.4	a l	- 1	4	9

ETAC FORM 0.26-5 (OLA) REVISE METOUS TO HOUSE OF THE

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SECRAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC 722536 RANDOLPH AFB TX

### **PSYCHROMETRIC SUMMARY**

69-70,73-80 SEP PAGE 1 1500-1700 HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B. W.B. Dry Bulb Wer Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 • 2 2 C/ 29 2 08/ 97 66/ 95 .4: 1.3 1.9 . 2 35 35 64/ 93 1 1.2 2.0 1.7 51. **51**i .1 .7 3.2 4.6 1.2 62/ 91 • 1i 101 101 .7 4.1 5.2 2.D / 89 122 122 8/ 87 .6 3.7 4.7 2.2 1.0 1.4 • 1; 131 131 119 1.2, 1.0 -6/ 85 .4. 2.4 3.D 2.3 1.D 114 .6 2.1 1.4 1.3 . 4 . 2 4/ 83 • 3 .4 .9 71 71 .9 1.2 60 60 • 7 . 4 . 4 1./ 79 . 7 . 7 .8. 1.0 . 4 • 3 49 49 6 73/ 77 . 3 . 8 37 37 . 3 • 7 76/ 75 1.8 1.0 . 7 . 4 47 205 8 . 4 16 16 232 38 74/ 73 3 8 72/ 71 • 3 30 109 .4 30 103 1.1 1.1 • 2 . 1 7.1 69 . 4 • 2 69 135 80 6-/ 67 • 3 • 2 5 5 175 56/ 65 48 118 37 14/ 63 76 t2/ 61 33 Fil 59 19 46 5:1 57 27 9 5£/ 55 38 54/ 53 23 12/ 51 34 5./ 49 6 4-/ 47 10 4./ 45 12 44/ 43 8 42/ 41 TOTAL 1.6 5.8 5.8 4.3 8.111.714.914.914.8 8.8 6.1 1.8 900 900 900 Zx' ZX No. Obs. Mean No. of Hours with Temperature Element (X) #47 F # 73 F #80 F #93 F Rel. Hum. 2632228 51.915.278 46692 900 85.3 6.733 89.3 72.1 Dry Bulb 6588238 76764 900 34.7 9.9 90 71.6 4.692 64.6 7.055 Wet Bulb 900 50.7 90 4634415 64445 76.5 .1 Dow Point 58103 3795817 900 46.2 4.9 90

3 õ 0.26.5

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 FANDOLPH AFR TX 69-70,73-80 SEP

PAGE 1 1800-2000 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.8_W.8. Dry Bulb Wet Bulb Dew Poin 167 95 2 • 1: 2 74/ 93 2/ 91 • 1: • 1. 14: 14 9 / 89 34. 1.6 -6 8/ 87 • 2 43 43 .6 2.1 1.7 £6/ 85 2.4. 3.7. 1.7. 83. 83. 46 90 .2 1.9 3.6 2.0 1.2 90 £4/ 83 • 3 • 3 . 4 .2: 1.2: 3.7. 3.4: 1.6: 107 107. 2/ 81. - 1 79 .7 3.3 2.4 2.0 .9:1.0 104 104 98. 9.8. 1:177 1 1.8 2.8 2.7 1.3 1.0 .4. 76/ 75 1.1 4.1 2.4 1.5 1.1 106 106 94 11 • 1 74/ 73 65 65. 239 9 1.9 1.3 27 • 6. -6 7.1 71 1.0 1.8 1.2 60 60 160 137 Ji/ 69 34 34: 105. -1, 143 • 6 . 3 • 1 • 1 25 25 73 65/ 67 .2 .7 • 3 . 4 163 +61 65 60 118 . 3 51 64/ 63 • 2 • 3 . 1 53 41 43 EZZ 61 . 1 FU/ 59 1 26 40 54/ 57 32 11 56/ 55 33 54/ 53 29 527 51 27 13 5L/ 49 11 45/ 47 9 46/ 45 3 -4/ 43 72/ 41 4: / 39 1 3 t. / 35 TUTAL 4-213-414-314-117-312-410-8 6-1 4-3 2-0 900 900 900 900 Mean No. of Hours with Temperature Element (X) No. Obs. Rel. Hum. 2 0 F ≤ 32 F ≥ 67 F a 73 F 3843322 57218 63.615.125 900 78.9 6.422 69.7 5.151 Dry Bulb 75.3 5640867 71017 900 87.2 44.2 90 Wet Bulb 4399901 62757 900 68.7 34.9 90

Dow Point 58279 64.8 7.057 900 90 3818595 48.1

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATH JEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

722536 HANDOLPH AFB TX 69-70.73-80 SEP MONTIN
STATION STATION NAME

PAGE 1 2100-2300 NOURS (U. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL . 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Poin 5:/ 89 . 1 6/ 85. . 7 • 6 16 • 2 • 3 ×4/ 83 40. 2/ 81 .3 1.4 1.º .7. 40 98 98 • 1 ./ 79 1.6 4.8 3.1 1.2 • 1 1:/ 11. 120. _.2. 120 4.9 6.1 1.6 .4 • 3' 172 172 76/ 75 3.4 8.4 4.2 2.2 • 2 .4. .2. 128 128. 208.... 52 74/ 73 2.7. 6.1. 3.1. .7. 1.C. 172 174 98 98 72/ 71 2.7 4.1 1.2 1.5 .8 • 9 66. 66 137 164 1 69 .8 3.0 .9 1.4 52 52 76 136 • 3 6=1 67 1.1 2.9 .8 .3 .3 29. 29. 51. .91 <u>.4 .9 .8 1.0</u> 16/ 65. .7 23 23 64 42 .3 .7 .4/ 63 . 8 40. 40 25 _ 25. 12/ 61. •2 1•1 •7 . 6 12 29 36 12 · [/ 59 • 3 • 6 10. 10 .32. 32 5 / 57 .2 .1 .6 .1 17 33 5:1 55 • 3 • 1 11. 24 4/ 53. 52/ 51 13 27 13 5./ 49 12 41/ 47 __.7 41/ 45 44/ 43 42/ 41 72/ 31 900 112-634-825-914-9 6-9 2-7 1-7 900 Mean No. of Hours with Temperature Zx' No. Obs. Element (X) = 67 F = 73 F = 80 F 900 = 0 F ± 32 F 76.511.550 Rel. Hum. 5384357 68833 79.4 57.8 10.6 Dry Bulb 4883911 900 90 66101 73.4 5.688 25.2 90 900 63.7 Wet Bulb 4228333 61465 68.3 5.836 90 53.2 5.8 Dew Point 58837 65.4 7.242 900 3893581

NORM 0.26-5 (OLA) REVISED MEVIOL

USAFETAC POLIN

GLUBAL CLIMATOLOGY BRANCH U'AFETAC ATH WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

772536 EANDOLPH AFR TX 69-70,73-80 YEARS STATION NAME STATION NAME

HOURS IL. S. T. WET BULB TEMPERATURE DEPRESSION (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb Wet Bulb Dew Po 0/ 99 9/ 97 167 95 • 3 •1 •0, 57 95 95. 14/ 93 . 2 • 0 62/ 91 • 0 • 3 .8 1.1 . 1 . 2 • 0 196 296 ../ 89 -3 296. 18/ 27 .3 1.4 1.6 • 1 .0 419 EZ 85 .2 1.9 1.7 419. 14/ 83 • 2 .2 .C .2 1.2 1.5 • 6 • 3 • 0 373 373 420. ∠/ 31 2 1 3 1 7 1 1 17 - / 79 1.2 2.2 1.3 • 1 74/ 77. AC 1.0 4.0 2.0 688. 688. 912 .2 2.8 5.1 1.7 912 975 5/ 75 • 2' 732 732 1546 594 741 73. -3 3-1 4-D 1-3 . 3 21 71 .2 2.9 3.3 1.0 . 1 623 623 1120 1249 7 69 •0. 480 480 831 1205 1 2.4 2.4 • 1 286 286 662 1033 6. / 67 . 1 . 2 1 . 4 188 188 443 712 -61 65 44/ 63 .6 • 5 • 3 • i • 1 159 159 375 400 137 137 266 289 11 61. _2_ • 0 · / 59 • 7 . 2 98 98 235 326 • 3 75 £:/ 57.... 75 171 289 56/ 55 • 3 . 2 58 58 131 251 • 3 98 26 26 181 4/ 53. 2/ 51 53 189 9. •0 32. 107 5 / 49 3 21 • 3 64 4./ 47 93 4:/ 45. 4/ 43 56 -2/ 41 4. / 39 2:/ 35 Mean No. of Hours with Temperature Element (X) Žx' No. Obs. ■ 80 F ■ 93 F ≥ 67 F = 73 F Dry Bulb Wet Bulb Dew Point

3.26-5 (OL.A) NEVISEO MEEVIOUS EDITIONS OF 1

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JUSTAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

225 16 STATION	ANDOLPH AFB	TX STATION NAME			69-70	73-80		EARS				SEP
,										PAGE	2 .	HOURS (L. S. T.)
Temp.		WE	T BULB 1	EMPERATUR	E DEPRESS	ION (F)		···········		TOTAL	<del></del>	TOTAL
(F)	0 1 - 2 3 - 4 5 -	6 7-8 9-10	11 - 12	13 - 14 15 - 1	6 17 - 18 19	- 20 21 - 22	23 - 24 25 - 26	27 - 28 29	- 30 = 31	D.B./W.B. D	ry Bulb W	et Bulb, Dew Poin
- 14 L	.716.526.413	.D 8.91 7.	9. 6.9	6.6 4.	9 4.0 2	2.2 1.1	.4 .2	• 1		. 1	7199	7199 7199
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Ref. Hum.	Z _X ,	Z x	7. 1	<b>1</b>	Ne. Obs.		F ± 32 F	Mean No.	of Hours will	h Temperatus = 80 F	• 93 F	Total
Dry Bulb	38646850 42698293	5118J4 551033		8.504	7199 7199		r 5 32 F			247.1		
Wet Bulb	34864185	499107	10.3	6.022	7199				275.5			720
Dew Point	31258828	471494		7.253	7199		- 4	420.6				720

USAFETAC NOW 0.26-5 (OLA) RIVISO MENOUS EDITIONS OF THIS FORM ARE DESCRETE

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

### PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFR TX 69-70,73-80 OCI. PAGE 1

3000-0200 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL D.B./W.B. Dry Bulb Wet Bulb Dow Paint (F) 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 PE1 79 . 3 6 6 7:1 77 . 9 16 16 76/ 75 .6. 2.2 32 32 74/ 73 2.9. 2.4. 34 54 54 15 72/ 71 2.3 2.3 • 3 • 1 54 54 53 44 49 C/ 69 3.5 2.7 • D 79 79 47. 61/ 67 .1 4.5 3.8 . 8 • 5 . 3 . 1 • 1 95 95 76 57 3.5 3.0 £6/ 65 85 85 76 74 56 14/ 63 .1, 2.9 1.9 . 2 67 67 72 +21 61 3.3. 2.0 89 89. • 3 15/ 59 2.7 2.4 . 6 • 1 . 1 73 44 5 A 58: 58/ 57 2.2 2.0 58, 50/ 55 1.2 35 35 73 54/ 53 2.0 1.4 48. 48. 50 47 c 2/ 51 1.9 1.7 41 • 1 41 44 50 . 9 51/ 49 1.8 1.6 43 49 41 4 3 4-/ 47 1.3 . 8 . 3 22 22 59 48 .1 1.2 46/ 45 12 26 45 64/ 43 • 3 . B . 3 17 17 24 31 9 18 42/ 41 9 25 41/ 39 . 2 • 2 4 4 13 26 3:/ 37 10 -8 10: 13 28 36/ 35 1 25 34/ 33 32/ 31 11 31/ 29 26/ 25 930 930 930 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. 80.513.234 = 67 F = 73 F = 80 F 6185475 74841 930 Dry Bulb 3659416 57732 62.1 9.019 930 33.6 10.8 93 Wet Bulb 58.5 9.281 54419 3264345 930 21.4 3.8 93 Dew Point 2992059 51795 55.710.753 1.5

õ 0.26-5

GLQBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION STATION NAME 69-70.73-80

PAGE 1 0300-0500

Temp.								TEMPER										TOTAL		TOTAL	
(F)	0	1-2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 3	0 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	New Po
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74/ 77			. 4	. 9	_		į .	i	í Í	Ĺ								12	12		
76/ 75		• 8	• 9	• 3			7											18	18	4	
74/ 73		3.0		1		ļ 	· 	!	L					;			1	51	51	24.	1
72/ 71	. 1	4.4	1.4	. 8						,			,		1		i	62	62	57	4
7:/ 69	6	2.6	1.7	. 8	2	3	: I 	·	2								<u> </u>	60	60	58	6
68/ 67 T	• 3	5.2	1.3	• 9			!	1	• 2	!!!			1	į				73	73	63.	4
(6/ 65	. 3.	3.2	2.5	1.1	. 2		1	Ĺ	2		! <b></b>						<u> </u>	71	71	55.	6
64/ 63	. 5	4 . 6	1.6	• 1	. 4	3	i [']	ĺ		) 1		. 1			j		i	71	71	68	5
62/ 61	. 3	3.1	2.0	. 3	. 3		<u> 3</u>	.1	<del> </del>								<u> </u>	61	61	64	
£\$/ 59	. 4	3.1	1.9	1.5	• 2		. 3	.1	!	! !			ĺ		1			75	75	57	5
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5c/ 55		3.7	1.2	. 8	. 3	. 1	• 2	:	i	1					}		i	58	58		5
4/ 53		1.4	1.0	. 5	. 6	2	1	<u> </u>	Ĺ			<u> </u>			<u> </u>			35	35	67,	
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40/ 45	.1	1.5	1.1	-1				<u> </u>			<b></b>							26	26		
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TOTAL	3.5	19.9	28.7	10.6	3.1	2.0	1.2	•2	.6	<b> </b>							<del></del>		930		9
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Element (X)		E x ²		<del> </del>	Z x	<del></del>	<u> </u>	-	Ĺ	No. Ob					Maran M		Marian yeld	h Temperat		<u> </u>	
Rei. Hum.			3116		775	50		12.5			30	10F	Τ,	32 F	# 67		• 73 F	- 80 F	- 93 1	FT	etel
Dry Bulb			5188		560			9.5			30				27		8,4				(
Wet Bulb			1260		533			9.8			30			• 1	20		2.1		1		
Dew Point			1999		511			111.2			30	<del></del>		2.5	16		1,	<del>                                     </del>	+		

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATF WEATHER SERVICE/MAC

والأراء أأري يسوسلاني ونصفا وارتف كهويوا يراسا

### **PSYCHROMETRIC SUMMARY**

722536 PANDOLPH AFR TX
STATION NAME 69-70,73-80 OCI DADD-0800 PAGE 1

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 . 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 2/ 81 • 1 1 79 12 12 7:1 77 . 6 . 6 76/ 75 18 18: 74/ 73 3.5 1.5 48 15 48 24 • 1: 70 72/ 71 4 4.2 2.2 חל 51 . 4 1.0 4.1 1.4 . 2 66 66 63 62 701 69 64 67 3.8 2.2 76 76 62 41 .4 5.2 1.5 81 81 56 46 £6/ 65 . 2 • 3 • 1 68 68 85 69 64/ 63 4.3 1.2 58 58 54 55 12/ 61 .3 1.8 2.4 . 4 • 1 49 61/ 59 -2 3.9 1.8 55 55 74 52 58/ 57 .2 2.4 1.5 • 3 76 52 54/ 55 -5 3-7 1-9 51 70 49 51 F4/ 53 1.4 1.7 1.2 . 4 54 34 46 12/ 51 1.4 54 51 / 49 2.5 1.7 47 47 41 33 60 48/ 47 1.9 .2 1.0 18 49 57 46/ 45 18 12 12 28 44/ 43 21 21 20 20 42/ 41 1.2 . 9 5 22 28 41/ 39 . 4 .1 . 2 28 36/ 37 22 36/ 35 14 . 1 34/ 33 22/ 31 3.7 29 21.27 1 26/ 25 22/ 21 930 930 4.248.928.010.3 3.7 2.8 1.4 TOTAL ZX Mean No. of Hours with Temperature No. Obs. Element (X) Tetal ≥ 67 F × 73 F × 80 F → 93 F s 32 F 82.913.045 6553735 77123 930 Dry Buib 93 3519190 56552 60.8 9.300 930 29.4 8.2 2.9 Wet Bulb 93 3194672 53746 57.8 9.767 930 21.5 Dew Paint 18.9 1.5 2966040 51462

ĝ 12 GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70.73-80 YEARS

OCT

PAGE 1 0900-1100

Temp.						WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
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GLORAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 HANDOLPH AFB TX 69-70,73-80 YEARS ON THE MONTH

PAGE 2 0900-1100 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point Temp. .410.915.317.215.913.811.8 7.0 4.1 2.4 .9 TOTAL • 3 . 1 930 930. Element (X) No. Obs. X FA = 67 F = 73 F = 80 F = 93 F Rel. Hum. 2 0 F ≤ 32 F 4237130 65.117.753 930 60566 Dry Bulb 70.4 7.950 62.7 8.142 4672867 65507 930 Wet Bulb 3721199 930 58339 36.2 9.6 Dew Point 3155622

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## PSYCHROMETRIC SUMMARY

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX 69-70,73-80 VEARS MONTH

PAGE 2 1200-1400

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PORM 0-26-5 (OLA) service nerrous serio

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME

69-70.73-80

OCT

PAGE 1

1500-1700

Temp.							BULB 1											TOTAL		TOTAL	
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Element (X)		t _X ,			ZX		X	**		No. Ot	<u>•·</u>							h Temperer		- 1	F 1
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GLORAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 722536 RANDOLPH AFR TX
STATION NAME 69-70.73-80 OCT. 1500-1700 Hours L. S. T. PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 ≥ 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 24/ 27 2t/ 25 24/ 23 2/ 21 930 930 .3 3.5 5.2 3.5 5.6 9.611.516.312.813.810.0 4.0 1.6 1.8 TOTAL No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. = 0 F 1 32 F 48.517.635 930 2472348 45062 77.6 8.527 64.2 7.186 Dry Bulb 83.7 71.0 46.6 5674312 72210 930: Wet Bulb 3881485 59709 9 30 42.6 10.0 Dow Point 2924836

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFR TX 69-70.73-80 YEARS MONTH

PAGE 1 1800-2000 HOURS (L. S. T.)

7						WET	BUL A S	-	ATHE	OFPR	SSION (	F)						TOTAL		TOTAL	
Tomp. (F)	0	1 . 2	3 - 4	5 - 6	7.0	8 1A	11 12	12. 14	15 14	17 . 10	19 20	21 22	23 . 24	25 . 24	27 . 20	29 . 30	2 21	D.B./W.B.	Dry Bull		Dew P-
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8U/ 79					1.3					_	• 1			1			ĺ	74	F -		1
78/ 17			_ 8-							3	1			<b>├</b>				76	76	T.	<del> </del>
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71/ 69		1.3		1.3	1.9			-6		1	.4			<b></b> _	<del> </del>		<b></b>	93	93		
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56/ 65		1.2	• 9	1.1	1.2	1.0					-1			<b></b>			<del> </del>	70			
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25/ 27																				Ţ	!
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Element (X)		ZX'			Σχ		X	**	$\top$	No. O	s				Mean P	lo. of H	ours wit	h Tempere	ture		
Rel. Hum.								<u> </u>				≤ 0	•	≤ 32 F	× 67	F	73 F	- 80 F	× 93	F	Total
Dry Bulb								T .					$\neg  o$		T				1		
Wet Bulb								<u>'</u>	*		$\neg \neg$		$\neg \vdash$		<u> </u>	$\neg \vdash$		<del>                                     </del>			
Dew Point						+		<del></del>							-	-		+	<del>-+</del>		

AC FORM 0-26-5 (OLA) BETAER PREVIOUS ENTIRES OF

SAFETAC POR

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX
STATION NAME
STATION NAME 69-70,73-80 OCT PAGE 2 1400-2000 WET BULB TEMPERATURE DEPRESSION (F)

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 231 D.B./W.B. Dry Bulb Wet Bulb Dew Point WET BULB TEMPERATURE DEPRESSION (F) 2-/ 23 <u>. 41 8.0110.514.818.916.212.3 8.9 6.1 2.2 1.1</u> 930 930 930 930 No. Obs. Mean No. of Hours with Temperature Element (X) Rel. Hum. = 0 F ± 32 F 2 67 F 2 73 F 2 80 F 61.916.840 3823246 5753B 930 70.3 8.053 61.8 7.544 55.610.260 Dry Bulb 4658218 65392 930 69.9 40.9 93 Wet Bulb 3601679 57449 930 30.6 5.0 2976421 51791 930

AR 64 0-26-5 (OL A) BEVISED MENIOUS EDITIONS OF THIS FORM ARE DISCO

AFETAC NOW 0.26

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 69-70.73-80 QCT
STATION STATION NAME VEARS MONTH

PAGE 1 2100-2300 HOURS (L. S. T.)

Temp.						WET	BULB 1	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22	23 - 24	25 - 26	27 - 28	29 - 30	<b>* 31</b>	D.B./W.B.	Dry Bulb	Wet Bulb	Dow Po
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76/ 75		. 9		1.6		•6	. 1	. 3		. 1	F		Ţ					65	65	3	
74/ 73		1.0				. 9			1		1		1				L	78	78	. 39	1
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COM 0.26-5 (OL A) SEWED NEWOUS EDITIONS OF

BLUPAL CLIMATOLOGY BRANCH UPAFETAC AIn WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

Timp	PAGE 1 ALL MOUNTS (c. \$ 1
Temp	WET BULB TEMPERATURE DEPRESSION (F)  0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 *31 D.B./W.B. Dry Bulb Wet Bulb Dev  95
66	F) 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 0.8./w.8. Dry Bulb Wet Bulb Dev 95
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... 0-26-5 (OLA) sevieto met

SAFETAC rosm

GLREAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

STATION	:≾A	NDOL	PH A	5	TATION N	AME			Ø.	9-70.	/3-8U		YE	E ARS				MON	C I ITH
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lew Point			6570		4146			10.89		7440	<del> </del>			133.6	51.6		-	<del></del>	74
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USAFETAC FORM 0.26-5 (OLA) HINNO

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX 69-70.73-80 PAGE 1 0000-0200 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | a 31 | D.8./W.B. | Dry Bulb | Wet Bulb | Dew Point . 1 76/ **7**5 3 ₹ 74/ 73 9 1.4 33 72/ 71 2.1 1.6 33 12 10 71/ 69 2.1 1.2 24 . 2 29 29 36 39 6:/ 67 1.6 1.3 . 1 66/ 65 2-2: -8 - 31 . 3 33. 16. 27 59 33 +4/ 63 .6 4.2 .9 • 2 . 1: 59 47 .3 1.8 1.1 37. 37. 46. 42 £21 61 -6. <u> - 2</u>i 11/ 59 3.9 2.4 . 4 63 63 34 26 . 8 5:1 57 42 2.6. 2.4. 56. 1.3 44 66 5t/ 55 .1 2.2 2.8 . 7 . 7 • 3 61 61 53 44 **9** :4/_53 5.2. 46 1. 3.2 1.2 64 64 12/ 51 • 1 55 55 61 67 .6 2.1 2.0 57 57. 44 5./ 49 .2 1.7 1.7 1.8 51 4./ 47 . 8 . 1 50 50 53 40 .2 2.6 1.0 4// 45 1.3 77 33 62. 34 .Z. 1.1. 44/ 43 40 40 40 44 .3 1.3 1.0 1.1 . 1 • 6. 35 42/ 41 33 33 40 1, 1.4, 1.7, .2 . 3 47/ 39 32 32 38 49 .3 1.8 1.0 • 1: 37 3:/ 37: . 6 - 3 25 25 33 45 36/ **35** . 9 . 8 • 3 13 34/ 33 29 72/ 31 . 2 11 11 19 28 .2 34/ 29 - 6 . 4 . 2 12 20 25/ 27 • 1 24/ 25 Ь: 16 24/ 23 17 8 *721* 21 20/ 19 9 2 8 16/ 15 14/ 13 17/11 Mean No. of Hours with Temperature Element (X) Ŧ ≥ 47 F ≥ 73 F > 80 F ≥ 93 F Rel. Hum. 4 0 F ≤ 32 F Dry Bulb Wer Bulb Dew Point

USAFETAC FORM 0-26-5 (OLA) REVISED MENOUS EDITIONS OF THIS S

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 STATION	RANDOLPH AFB TX STATION NAME	69-70,73-80 YEARS	MONTH
		PAGE 2	อังอง-จรถอ

Temp.						WET	RULA	TEMPF	RATURI	E DEPR	ESSION (	F)						TOTAL		TOTAL	
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Dew Point			598		423		47.	013.	6.2		00		$\neg$	14.3		. 3					91

USAFETAC FORM 0-26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF HEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX STATION NAME

69-70,73-80

MONTH

PAGE 1

0300-0500

Temp.					WET	BULB TI	MPER	ATURE	DEPRE	SSION	(F)					TOTAL		TOTAL	
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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

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### PSYCHROMETRIC SUMMARY

69-70,73-80 YEARS 722536 RANDOLPH AFB TX STATION NAME NOY PAGE 2 0300-0500 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 5.045.433.0 9.1 3.9 2.2 .9 .2 .1 900 900 • 1 900 Element (X) No. Obs. Mean No. of Hours with Temperature Rai. Hum. 6011153 72437 a0.514.19D 900 5 0 F ± 32 F = 67 F = 73 F = 80 F Dry Bulb 2561995 46889 900 3.7 10.6 52.111.511 1.2 90 49.211.868 46.013.894 Wet Bulb 2303224 44260 900 7.3 8.0 90 Dew Paint 2076108 900 41380 16.9 6.6 90

0-26-5 (OL A) REYSED PREYIOUS EDITION

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR AEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

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STATION NAME 69-70.73-80

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USAFETAC NOW 0.26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH PSYCHROMETRIC SUMMARY USAFETAC AIR WEATHER SERVICE/MAC 72.536 RANDOLPH AFB TX 69-70,73-80 NOV 0600-0800 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 0 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 & 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 900 3.751.728.6 8.9 4.0 2.2 .3 .3 .3 900 900 900 0.26-5 (OL A) No. Obs. Mean No. of Hours with Temperature X Rel. Hum. 6043167 72617 80.714.307 900 10F s 32 F 46688 51.911.384 44088 49.011.786 3.9 9.1 90 Dry Bulb 2538478 900 Wer Bulb 2284594 900 7.5 6.2 90 Dew Point 2062325 41219 45.813.934 17.7

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GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 KANDOLPH AFR TX
STATION NAME
STATION NAME 69-70.73-80

PAGE 1 0900-1100

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GLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 722536 RANDOLPH AFB TX STATION NAME 69-70.73-80 MOA PAGE 2 0900-1100 HOURS (L. S. Y.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point 1. / 11 ŧ/ CTAL -917-721-415-015-311-2, 8-4, 5-7, 3-6, 1-2; -1 900 900 900 0.26-5 (OL Element (X) No. Obs. Mean No. of Hours with Temperature Rel. Hum. 4207975 58813 65.320.141 900 1 0 F s 32 F = 67 F = 73 F = 80 F = 93 F 54382 Dry Sulb 3376270 60.410.020 900 28.6 10.6 • 7 90 2715469 2217789 53.910.434 47.514.403 Wer Bulb 48537 900 11.7 .8 90 1.8 Dew Point 42757 900 15.0 6.8 90

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

RANDOLPH AFR TX STATION NAME 69-70,73-80 MONTH PAGE 1 1200-1400 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wer Bulb | Dew Point 38/ 87 . 1 5A 1A3 . 2 14 p./ 81 41 41 .2 1.1 2.1 1.0 2.0 -71 -80 . 2 • 3 . 2 71 701 77 8D 8 2.1 1.4 1.9 1.0 . 7 76/ 75 .3 1.1 1.2 1.0 . 6 64 1.0 . 7 . 2 74/ 73 . 9 61 61 72/ 71 .9 1.1 . 9 . 9 1.0 • 3 60 60 36 .2 1.1 . 2 7:1 69 1.0 5 A 58 65 17 • 2 68/ 67 • 3 • 3 43 43 74 32 • 1 66/ 65 75 56 . 4 . 7 54/ 63 • 3 . 8 . 2 52 52 41 35 - 4 • 6 . 7 1.1 52/ 61 -6 .6 t[/ 59 • 3 • 7ⁱ 37 . 6 . 4 . 6 1.1 57 57 42 5:/ 57 47 . 4 -6 . 8 . 9 . 3 42 42 54/ 55 . 8 . 8 56 47 54/ 53 24 24 66 40 52/ 51 17 • 3 . 2 • 2 . 2 . 6 17 53 32 56/ 491 57 42 26 26 45/ 47 • 1 10 10 57 19 13 13 36 44/ 45 . 4 53 44/ 43 . 2 . 2 13 13 35 49 47 4 42/ 41 4 43/ 39 21 30 . 1 26 38/ 37 367 35 . 2 46 35 34/ 33 32/ 31 31 • 1 29 30/ 29 16 28/ 27 26/ 25 12 24/ 23 14 zx, Mean No. of Hours with Temperature 2 67 F = 73 F = 80 F ≥ 93 F Rel. Hum. 5 0 F s 32 F Dry Bulb Wer Bulb

0-26-5 (OL A) BEYIND PREVIOUS BOTTOMS OF THIS FORM ARE DISJOINTE

AFETAC FORM A 22.

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME
STATION NAME

69-70,73-80

NOV

PAGE 2

1200-1400 HOURS (L. S. T.)

																				HOURS (L	. S. T.)
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USAFETAC NOM 0-26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX 69-70-73-80 YEARS MONTH

PAGE 1 1500-1700

Temp.						WET	BULB '	TEMPER	ATURE	DEPRE	SSION (	F)					TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24	25 - 26	27 - 28 29	- 30 * 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Pa
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52/ 81					. 3	7	1.6	1.1	1.1	-1	3	- 6				!	5.2	52		
90/ 79	1			. 4	. 6	1.6	1.2	1.9	1.3	.2	.1	. 3	. 4	• 1			74	74		
78/ 17				2	1.9			. 9	7	-4	.7	-1	- 2				74	74.	<del>-</del>	
76/ 75		. 1		.7	. 9	1.4	. 9	1.0	1.0	.7	• 6	. 6	. 4				74	74		
74/ 73			-1	1.2	3	1.2	- 7	. 9	8	1.0	3	- 3					62	62	13	
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AC 1044 0-26-5 (OLA)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC 722536 RANDOLPH AFB TX STATION

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 69-70.73-80 NOV PAGE 2 1500-1700 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 20/ 19 16 18/ 17 2 16/ 15 2 14/ 13 6 17/ 11 7 €/ 1 6/ 900. 900 TOTAL .3 5.4 6.2 7.8 8.713.711.814.914.4 7.7 4.9 2.6 1.2 .3 900 900 Element (X) Mean No. of Hours with Temperature Red Hum. 900 ≥ 67 F = 73 F = 80 F = 93 F 2557958 10 F 44500 49,419,947 s 32 ₱ 53.0 18.7 4285396 2973575 61310 50977 38.5 900 90 Dry Bulb 68.111.002 13.3 56.6 9.791 46.414.431 90 Wer Bulb 900 • 3 1.3 Dew Point 2121461 90 41723 900

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GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

#### **PSYCHROMETRIC SUMMARY**

SANDOLPH AFR TX STATION NAME 69-70,73-80 NOV.

PAGE 1 1800-2000 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 | D.B./W.B. Dry Bulb | Wet Bulb | Dew Point 2 2 ./ 79 7-/ 77 . 3 15 15 • 1: . 1 761 75 46 39 39 74/ 73 .8 3.0 1.0 1.0 60 60 . 1 . 1 72/ 71 1.2 1.7 1.2 57 57. 77/ 69 1.3 1.2 1.7 . 3 . 1 . 1 46 46 34 8 • 1 . 8: 61 42 6./ 67 1.1 1.1 1.8 -8, . 9 .6 1.2 1.7 .8 . 3 57 57 47 46/ 65 . 6 35 14/ 63 .7. 1.7. 1.4. 65 65 55 31 .7 1.6 2.1 • 9 . 1 74 74 62/ 61 .8 1.1 . 6 62 44 60/ 59 1.3 1.8 59 59 53 • 2 56/ 57 .6 1.0 1.4 1.0 52 52 38 53 . 1 55/ 55 . 8 °4/ 53 .8 1.0 .8 1.0 . 3 45 45 65 42 2/ 51 44 44 30 50/ 49 .7 1.3 36 52 36 43 • 6 • 1 4:/ 47 .2 .7 1.0 33 52 50 24 24 53 39 . 1 . 4 . 8 • 3 40/ 45 • 3 4/ 43 . 4 •2 40 19 19 40 42/ 41 . 6 • 3 • 3 . 2 37 4:/ 39 . 41 14 44 31 381 37 . 4 • 1 6 6 35 4: 12 39 36/ 35 • 1 3-/ 33 • 1 3 13 24 32/ 31 20 31 / 29 34 19 28/ 27 20 26/ 25 24/ 23 26 2/ 21 18/ 17 No. Obs. Mean No. of Hours with Temperature Rel. Hum. 10F ≤ 32 F 2 67 F ≥ 73 F - 80 F - 93 F Total Dry Bulb Wet Bulb

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GLCBAL CLIMATOLOGY BRANCH
USAFETAC
AIR MEATHER SERVICE/MAC

7.2.5.36 RANDOLPH AFB TX
STATION NAME

# PSYCHROMETRIC SUMMARY

69-70.73-80 NOV MONTH
PAGE 2 1800-2000

																			HOURS IL	S. T.
Temp.							BULB										TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20	21 - 22 2	3 - 24 25 -	26 2	7 - 28 29 -	30 = 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
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Rel. Hum.			9904		561	14	62.3				00	± 0 F	s 32 I		≥ 67 F	≥ 73 F	≥ 80 F	∗ 93 F	T	otal
Dry Bulb			7909		545	57	60.6	10.0	46		00			. 3	28.6	12.2		<del></del>	<del></del>	9
Wet Bulb		266	7470	)	481		53.5				00		1.	_	9.5		<del></del>			9
Dew Paint		212	343	5	419		46,6				00		15.	.7	4.1		1	1		9

USAFETAC FORM 0-26-5 (OLA) REVISEO MENOUS ED

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR REATHER SERVICE/MAC

### **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX STATION NAME 69-70,73-80

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Temp. (F)	0	1 - 2	3 . 4	5 - 6	7 - 8					DEPRESS	9 - 20 21 -	22 23 -	24 25 - 26	27 - 28	29 - 301	TOTAL	Dry Bulb	Wet Bulb D	lew P
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4/ 63		2.1	1.8	. 7	• 2	. 4	. 2	i								4.9			
2/ 61		2.9		. 9	7	4						1		1. 1.			1. 67		
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. 57 لند		1.9		1.8	-		-		-			:		<u>:</u>		7			
t / 55	• 1	1.3	1.7	1.4	1.0	. 7	. 2	• 2			,	1-	1		-1	61	) 60	5.0	
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2/ 37		- 9	1.0	6	1		<u> </u>		L	-				· +		2.3	23	27.	
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ement (X)	z	X,			ZX		<u> </u>			No. Obs.						s with Tempera			
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or Bulb						+								<b></b>					
rw Point			1			1			l l		1	1		1	1	ì	l l	i	

USAFETAC FORM Q-26-5 (QLA) REVISE REVIOUS EDITIONS OF THIS FORM ARE OLLORITE

SLOBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 722536 RANDOLPH AFB TX
STATION NAME
STATION NAME 69-70.73-80 NOV 2100-2300 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F)

TOTAL

1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dew Point 31 7 900: 900 1.125.134.919.7. 9.9 6.8. 2.0 900 No. Obs. Mean No. of Hours with Temperature Element (X) 73.715.464 Ret. Hum. 5099092 66300 900 5 0 F ± 32 F ≥ 67 F ≥ 73 F 90 900 16.1 3.3 Dry Bulb 2889715 50101 55.710.584 1.6 2479626 46194 51.310.993 8.9 90 Wer Bulb 900 4.0

90

46.913.496

NOSM 0-26-5 (OLA) MINISTER MENIOUS LEITIONS OF THIS

Dew Point

2143863

GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR MEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

STATION	RANDOL	PH AF	B TX	TION NA	ME				69-7	10.7	S-80		YEARS				N0	TH
															PAGE	1	HOURS IL.	\$. T.
Temp.									DEPRES						TOTAL		TOTAL	
(F)	0 1-2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 20			26 27 - 28 2	9 - 30 - 31	D.B./W.B. D		Wet Bulb C	Dew P
9 <b>6/ 87</b>				!				• 0	• 0	_	• 0		• 0	i	7	7'		
367 82+			<del>i</del>		—— <u> </u>					0	+	-0			24	24,		
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76/ 79:	i	• 0 n	. 1	- 2	• 5	• 3	• • •	• 2	• 1	• U	• 1 ₁	. 1	• 0	-	186	186		
76/ 75	• 1	. 2	- 4	- 5	• 5	. 4	.3	. 2	. 1	• 1	• 1	. 1			211	211	4	
747 73:	. 3	1.0	. 9	. 4	4	. 2		. 3	- 2	1	. 1	• •	1		304	304	42	
72/ 71	•3 1•2	1.3	.6	• 5		. 3		. 2	.2	• 1	• 0	1			362	362	150	
7:/ 69	•3:1•0:	1.3	4	5	_ 4	_ ^2	3	3	2	1	n				396	346	357	_1
61/67	. 8	1.4	• 5	• 6	• 2	• 3	. 3	. 3	. 2	• 1					345	345	363	2
56/ 65	1 1.5	1.2	66	_ 4	3	3	3	- 2	. 3	. 1		1			366	366	344	_3
64/ 63	.2 1.8	1.3	. 6	. 4	. 6	• 3	. 3	. 4	. 2	• 1				ļ	416	416	413	2
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4/ 53.	.1 1.7	1.2	. 9	- 6	- 4	3	2	0							387	387	440	3
52/ 51	.2 1.4	1.1	. 7	• 6	• 3	. 4	• 1	• 0			j	]			354	354	475	3
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48/ 47	.0 1.3	1.0	• 9	• 5		• 1	• 1		}	1	İ	ļ	1	-	303	303	436	3
46/ 45	1_9	. 8	6_	4	2	1		<u> </u>	<del> </del>						227	227	439	_2
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Rel, Hum.				<u> </u>				- <del> </del> -			± 0 F	≤ 32	F = 67 F	: ≥ 73 F	> 80 F	≥ 93 F	T	otol
Dry Bulb										_				1				
Wet Bulb												L						
Dew Point												Т.						

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR JEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 69-70,73-80 NOV YEARS PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.S./W.B. Dry Bulb Wer Bulb Dew Point 2:/ 19 3 83 • 0 14 17 43 16/ 15 43 26 14/ 13 12/ 11 18 12 4/ TATAL 2.025.422.413.110.1 8.1 5.9 5.2 4.0 2.0 1.1 .5 7200 ZX Mean No. of Hours with Temperature Element (X) ZX' No. Obs. ≥ 67 F = 73 F = 80 F • 93 F Rel. Hum. 488898 67.920.851 7200 36327376 13.1 208.1 102.8 24.3 58.712.369 720 Dry Bulb 422566 7200 25901754 Wet Bulb 20799119 378467 52.611.212 7200 28.8 91.6 720 127.2 44.8 Dew Point 720 17086059 335885 46.714.029 7200

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GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536 KANDOLPH AFR TX STATION HAME DEC 69-70,73-80 PAGE 1 - อื่ออื่น-จรดอ

													HOURS IL.	5. T.)
Temp.			WET BULB	PERPERAT	URE DEPRE	SSION (F)			,		TOTAL		TOTAL	
(F)	0 1-2 3-4	5 - 6 7 - 8 9	10 11 - 12	13 - 14 15	- 16 17 - 18	19 - 20 21	- 22 23	- 24 25 - 26	27 - 28 29	- 30 + 31	D.B./W.B.	Dry Bulb	Wer Buib D	Point
74/ 73	• 3	3					1			,	3	3		
721 71	22					<u> </u>			: 	: 		7.		
71/ 69	.4 2.2	?			İ	1					24	24	6	3
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667 65	1.3 1.2	?	. 1						1		24	24	27	19
ta/ 63	2, 1.52	32.			1	·					22.	22.		_32
427 61	.3 1.2 .4	.3 .1			• 1 ¹			i			23	23	27	29
61/ 59	2.2 .5	<u></u>	-16		.2				+		38.	38.	18	26
55/ 57	•2 2•9 1•1	. 4 .2	• 6	• 2							5 3	53	25	14
54/ 55	1, 2,9, 1,6	6 65	.6: .5						<u></u>		65.	65.	43.	34
4/ 53	2.7 1.5	.4 .5	.3 .1								52	52	47	35
52/ 51	.4. 1.2 2.6	8 1.4	.9 .3						·			za.	46.	. 45
50/ 49	.2 1.3 2.4	. 8 . 8	• 5		1						5 5	55	36	34
4 ± / 47	2.3.1.1	1 1 4 8	.22			!		<del></del>	++-		54.	54.	57.	26
46/ 45	.1 2.4; 2.3	3 1.6 1.2	• 2								72	72	68	49
44/ 43	<u> </u>		_4			<del></del>					<u>71,</u>	71.	71.	32
42/ 41	1.8 2.6	1.4 .8									61	61	70	54
4./ 39	104 105							+			46	46.	71	30
34/ 37	.2 1.2 1.8	3 1.9 .9		,	1						56	56	57	56
3c/ 35	1.9 1.2	2 101 43	<del>+</del>		_		<del></del>		<b></b>			37.	53	_62
34/ 33	1.2 1.8			!	1	i i					33	34	47	45
22/ 31	2 lel				<del>-                                    </del>	<del></del>					. 16	16	<u>50</u>	66
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26/ 25	j •1: •2	2*	1	i							3	3	9	38
24/ 23	<del></del>			<del> </del>	<del></del>			<del></del>	<del></del>	<del></del>	+	+	<b>&amp;</b>	21
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Rel. Hum.					No. 00	<del>-</del>	10F	1 32 F	* 67 F	- 73 F	- 80 F	• 93 F	To	tal
Dry Bulb		<del> </del>	<del> </del>	<del></del>	<del> </del>		- 0 -		1	<del>  -/</del>	+	+	<del></del>	·-·
Wet Bulb	<del></del>	<del> </del>	<del> </del> -		+			<del> </del>	<del> </del>	<del> </del>	+	+		
Dew Point	······································	<del> </del>	<del> </del>		<del> </del>			<del> </del>		+	+	+		
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USAFETAC FORM 0-26-5 (OLA) REVISO NEVIOUS EDITIONS OF THIS FORM ARE OLD CATE

GLCBAL CLIMATOLOGY BRANCH **PSYCHROMETRIC SUMMARY** USAFETAC AIR WEATHER SERVICE/MAC 722536 RANDOLPH AFB TX 69-70.73-80 DEC 0000-0200 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F)
1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 0.033.433.315.2 9.1 4.2 1.9 .4 .3 .1 930 929 929. No. Obs. Element (X) Mean No. of Hours with Temperature 73.716.816 Rel. Hum. 5306506 68454 929 s 32 F = 67 F = 73 F Dry Bulb 930 45554 49.010.250 2328956 3.5 6.2 Wet Bulb 1997928 41932 45.110.650 929 11.4 1.9 93 Dew Point 37490 1678066 40.413.340 929 .9 93 29.8

NOM 0-26-5 (OLA) NAME

يراد دريها المعادل المحاد المهرجات

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR JEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFR TX
STATION NAME 69-70,73-80

DEC

FAGE 1 0300-0500

Temp.				-		WET	BULB '	TEMPER	RATURE	DEPR	SSION	(F)						TOTAL		TOTAL	
(F)	0	1 - 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	13 - 14	15 - 16	17 - 18	19 - 2	0 21 - 22	23 - 24	4 25 - 26	27 - 28	29 - 30	* 31	D.B./W.B.	Dry Bulb	Wet Bulb	Dew Po
74/ 73		i	• 3															3	3		
721 71		<u> </u>	2							<u> </u>				<u> </u>				2	2		
75/ 69		. 3	1.4						Ī		Ì	Ì	1	1				16	16	4.	
651 67		1.4						<u>.</u>		<u> </u>								38	38	10	
66/ 65		2.5	. 8					!	İ	1						!		30	30	29	2
14/ 63		1.4	-2		<b></b>			· 		1	-	<del></del>	ļ				<b> </b>	15	15	49	3
62/ 61.	. 3	1.7	. 4	. 1	. 1				i	1		-	1		j ,			25	25	19	3
6:1 59	1	1.8	3	·				i	<u> </u>	<b></b>	<del>-</del>		ļ	<del> </del>	<b>↓</b>	L	<b>├</b>	21	21	16	2
58/ 57:	. 4	3.2	• 2		. 4	. 4		• 1		į		!		j	1	Ì	į	45	45	25	1
56/ 55	2		6	1	4	2	1	ļ		<b>∔</b>	<del></del>	<del></del>		+	<del> </del>			38	38		3
4/ 53	• 5	2.3	• 8		. 4	• 3	• 3		1					1	1		i	4.5			3
52/ 51.	3	2.5			1.2	. 4	1		<del> </del>	<b>├</b>		<del> </del>		<del></del>				60	60		3
56/ 49	• 3	2.5		1.4				i						1		,	1	63			3
48/ 47.		2.5			- 9	5		<u> </u>			<del> </del>	+	<del> </del>	<del> </del>	<del> </del>	<del> </del>	<b>}</b>	67	67		2
46/ 45	• 1	3.3			• 5				1	1		i	!	ĺ		-	1	56	56	- 1	4
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GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME
STATION NAME 69-70,73-80 DEC 0300-0500 HOURS (L. S. T.) PAGE 2 WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point TOTAL 3.143.829.512.0 7.7 3.2 .5 .1 930 930 930 Element (X) No. Obs. Mean No. of Hours with Temperature Rel Hum. =67 F = 73 F = 80 F = 93 F 71197 76.615.897 930 10F 5685309 ≤ 32 F Dry Bulb 2188367 44003 47.310.700 930 5.5 5.9 40973 Wet Bulb 44.111.153 930 1920695 15.0 1.4 93 Dew Point 37082 39.913.656 930 31.6 1651830 .7

ĝ 0-26-5

12

GLURAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

722536 RANDOLPH AFR TX
STATION NAME
STATION NAME

## **PSYCHROMETRIC SUMMARY**

Mean No. of Hours with Temperature

2 67 F = 73 F = 80 F

≤ 32 F

DEC

PAGE 1 HOURS IL S. T. WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL (F) 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point 74/ 73 . 1 721 71 76/ 69 .1 1.2 12 3 12 BEL 67 .1 2.5 16/ 65 31 29 . 8 31 21 64/ 63 2.5 .2 25 25. 45 27 627 61 .4 1.5 • 2 22 • 2 22 28 45 Lul 59 .6. 2.8. __1 34 34 20 30 58/ 57 • 2 .3 1.8 . 2 24 24 33 21 56/ 55 .5, 2.2 . 4. •2 35 35 23 32 64/ 53 . 8 .5 1.9 • 6 . 3 . 2 . 2 43 43 27 25 52/ 51 1 209 101 32 47 47 23 50/ 49 .4 2.8 1.0 1.5 • 3 • 2 63 6 3 i 34 27 2.5 1.8 1.5 421.47 <u>. 8</u>i 64 64 41 35 467 45 4.8 1.3 2.3 88 88 72 34 a3 1a2 1a2 1a5 44/ 43 42 42 66 40 42/ 41 1.7 2.7 1.7 59 59 48 46 45/ 39 او۔ 2.8 1.9 1.2 65 59 42 38/ 37 3.5 1.1 1.4 79 . 6 62 62 36 361 35 .2 2.4 1.7 . 8 50 50 70 54 34/ 33 .3 3.1 1.5 50 48 50 69 32/ 31 al 1a8 1a7 42 65 63 . 1 3L/ 29 -5 1.0 15 48 46 15 211 27 18 61 . 2 2t/ 25 22 . 2 38 4 21 . 2 22/ 21 1 21 20/ 19 25 14/ 17 14 19 14/ 13 12/ 11 16/ 9

No. Obs.

Salley.

69-70.73-80

26-5 (OL A) BEYISTO PREVIOUS EDITIONS OF THIS YOUR ARE OLSOLETE

ETAC FORM 0-26-5 (OLA) BENSED PREVIO

Element (X)

Rel. Hum.

Dry Bulb War Bulb Daw Paint

GLCBAL CLIMATOLOGY BRANCH USAFETAC **PSYCHROMETRIC SUMMARY** AIR WEATHER SERVICE/MAC 722536 RANDOLPH AFB TX
STATION NAME 69-70,73-80 DEC 7600-0800 HOURS (L. S. T.) PAGE 2 Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1.2 3.4 5.6 7.8 9.10 11.12 13.14 15.16 17.18 19.20 21.22 23.24 25.26 27.28 29.30 = 31 D.B. W.B. Dry Bulb Wet Bulb Dew Point 2/ 1 930 930 TOTAL 4.348.124.814.6 6.0 1.3 930 930 3 9 Mean No. of Hours with Temperature Element (X) No. Obs. 72071 77.515.545 46.710.837 = 67 F = 73 F = 80 F ≥ 93 F Rel. Hum. 5809689 930 ≤ 32 F Dry Bulb 7.8 4.8 2137424 43432 930 93 43.711.285 Wor Bulb 1890400 40596 930 16.5 1.1 93 32.0 930 93 Dew Paint 36848 1635340

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

72 536 RANDOLPH AFR TX 69-70-73-80 VEARS MONTH

PAGE 1 0900-1100

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USAFETAC FORM 0.26-5 (OLA) REVISE METADUS TOTAL

GLGBAL CLIMATOLOGY BRANCH USAFETAC ATS WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 STATION	RANDOLPH AFB TX STATION NAME	69-70.73-80 YEARS	DEC
		PAGE 2	0900-1100

1900-1100 HOURS (L. S. T.) WET BULB TEMPERATURE DEPRESSION (F) TOTAL (F) 1 . 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Bulb Wer Bulb Dow Point 13 7 2.222.519.716.817.710.3 6.0 2.6 1.5 .8 TOTAL 930 930 930 930 Element (X) ZX2 No. Obs. Mean No. of Hours with Temperature Rel, Hum. 66.020.262 4430380 61364 930 2 0 F s 32 F = 67 F = 73 F = 80 F = 93 F 53.9 9.417 48.3 9.936 41.613.878 Dry Bulb 2786928 50152 930 9.7 1.1 1.2 93 Wet Bulb 2257914 44884 930 5.5 2.9 93 Dow Paint 1791668 38728 930 •9 24.4 93

0.26-5 (OL.A) seviso revious torriori

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USAFETAC 10m 0.26-5 (C

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

## PSYCHROMETRIC SUMMARY

722536 RANDOLPH AFR TX 69-70-73-80 VEARS DEC MONTH
STATION PAGE 1 12:00-14:00 Hours (U. S. T.)

WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | 2 31 | D.B./W.B. Dry Bulb | Wer Bulb | Dew Pain 34/ 83 3 . 1 527.81 937 79 . 2 . 1 9: 9 . 1 73/ 77 18 76/ **7**5 .5 1.3 29 29 74/ 73 53 . 8. 1.1 1.4 •6 • 9 72/ 71 . 4 . 3 . 9 . 8 . 2 . 8 48 48 3 1.1 69 a3 1a1 1a2 1a5 . 9 • 9 68/ 67 . 3 57 57 15 .8 1.1 . 5 . 8 1.4 • 1 30 16/ 65 68 68 44 54/ 63 61 · 2/ 61 -5. 1.1 -6 73: 73 45 40 AC/ 59 1.0 51 .6 1.1 1.1 . 6 501 57 .5 <u>. 8</u>. • 3. . 4 2.2 1 - 4 .6 72 72 61. 52 56/ 55 .9 1.6 1.4 73: 68 40 1.1 . 6 • 5 1.1 ا5.م 54/ 53 . 9 52 52 63 33 . 9 .3 1.1 1.0 48 48 53 2/ 51 . 8 • 1 . 2 38 50/ 49 20 20 78 23 .6 21 487 47 21 81 . 2 . 1 44/ 45 24 71 • 5 • 3 . 8 44/ 43 21 21 61 37 . 4 42/ 41 46 26 26 48 45 40/ 39 11 11 37 39 • 1 361.37 5 23 57 11 3c/ 35 57 35 34/ 33 32/ 31 35 30/ 29 35 2+/ 27 26/ 25 37 24/ 23 12 22/ 21 10 25 Z×, No. Obs. Meen No. of Hours with Temperature Element (X) Rel. Hum. ≥ 73 F 1 32 F Dry Bulb Wer Bulb Dew Point

A C 26-5 (OLA) BEYSEO MEVIOUS EDITIONS OF THIS R

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GLUBAL CLIMATOLOGY BRANCH USAFETAC AJH HEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX
STATION NAME
STATION NAME 69-70.73-80

1200-1400 HOURS (L. S. T.) PAGE 2

Temp.					-	WET	BULB	TEMPER	ATURE	DEPRE	SSION (	F)						TOTAL		TOTAL	
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GLGEAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536 HANDOLPH AFR TX
STATION NAME 69-70,73-80 1500-1700 PAGE 1

																			HOURS IL.	S. T.)
Temp.											SSION (F						TOTAL		TOTAL	
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GLUBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

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## **PSYCHROMETRIC SUMMARY**

DEC RANDOLPH AFB TX 69-70.73-80 PAGE 2 1500-1700 HOURS (L. S. T.) TOTAL WET BULB TEMPERATURE DEPRESSION (F) TOTAL 0 1-2 3-4 5-6 7-8 9-10 11-12 13-14 15-16 17-18 19-20 21-22 23-24 25-26 27-28 29-30 = 31 D.B./W.B. Dry Bulb Wet Bulb Dew Point (F) 1:/ 15 7 12 14/ 13 12/ 11 6 9 8 17/ ٤/ 7 4/ 1__ 8.2 7.5 6.8 9.516.614.713.410.0 8.2 3.2 1.4 TUTAL 930 930 930 930 No. Obs. Mean No. of Hours with Temperature Element (X) 2671710 3716745 49.420.699 62.410.161 ± 32 F 267 F = 73 F = 80 F = 93 F Rel. Hum. 45984 930 10 F 58029 Dry Bulb 930 36.4 15.9 2.2 48215 38177 51.8 8.987 41.113.535 Wet Bulb 2574699 930 3.9 Dew Paint 1737383 930

POBM D-26-5 (OLA) sevise revious remons of this foam a

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

# PSYCHROMETRIC SUMMARY

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Dew Point					$\neg \uparrow \neg$		1	_				1	1	$\top$		1		

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536	RANDOLPH AFB TX	69-70,73-80	DEC
STATION	STATION NAME	YEARS	MONTH

PAGE 2 1800+2000 HOURS (L. S. T.)

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USAFETAC now 0-26-5 (OL.A) winto mimors territors or mis roam

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

722536 RANDOLPH AFB TX 69-70,73-80 YEARS MONTH

PAGE 1 2100-2300

Temp.						WET	BULBY	EMPER	ATURE	DEPRE	SSION (F)						TOTAL		TOTAL	
(F)	0 1	- 2	3 - 4	5 - 6	7 - 8	9 - 10	11 - 12	1' 14	15 - 16	17 - 18	19 - 20 2	- 22 23	- 24 25 - 2	26 27 - 28	29 - 30	<b>* 31</b>		Dry Bulb	Wet Bulb De	w Po
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64/ 63.	1	-1	. 5.	. 5		1				-1				+-		i	. 22	22	31	i
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52/ 51.	3	. 3	2.0	1.0	1.6	1.4	- 4							<u> </u>		<u></u>	66.	66	40	4
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GLGBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

7.225.56 RANDOLPH AFB TX
STATION NAME

69-70,73-80

DEC

PAGE 2

2100-2300 HOURS (L. S. T.)

Temp.						WET	BUILD 1	TEMPER	ATURE	DEPPE	SSION /	F)						TOTAL		TOTAL	
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Dry Bulb		250	068	2	473	52	51.1	9.4	04		27			• 5	5.	_	• 3				9
Wat Sulb		207	381	3	429	30	46.3	9.7	75	9	27			.9	2.	. 2					9
Dew Paint		167	627	<u></u>	375	76	40.5	12.8	59	9	27		27	. 9		9					9.

USAFETAC NOW 0.26-3 (OL.A) BETTED RETIONS TO THIS FORM ARE OSSOUTTED

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

722536 HANDOLPH AFR TX STATION NAME 69-70,73-80 DEC PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL emp. D.B./W.B. Dry Bulb Wet Bulb Dow Poin 1 - 2 | 3 - 4 | 5 - 6 | 7 - 8 | 9 - 10 | 11 - 12 | 13 - 14 | 15 - 16 | 17 - 18 | 19 - 20 | 21 - 22 | 23 - 24 | 25 - 26 | 27 - 28 | 29 - 30 | = 31 •0 .0 54/ 83 . 0 . 0 6 6 52/ 81 • 0 ed/ 79 . 1 25 25 • 0 . 1 . 1 • 0 60 AD: 74/ 77 . 0 .0 . 1 71 . 2 . 1 71 76/ 75 • 0 . 2 .D . 2 . 1 139 139 74/ 73 184 • 1 . 3 184 72/ 71 • 3 • 3 . 2 . 2 . 1 • 0 285 71/69 . 3 325 145 54 68/ 67 • 0 325 339 339 235 132 161 65 11.4 312 312 343 206 .0 1.2 • 3 351: 351 276 274 .2/ 61 6C/ 59 387 387 249 231 .1 1.7 • 5 467 467 318 230 584 57 56/ 55 .1 1.7 1.0 471. 471 386 286 . 6 . 9 . 3 . 1 451 451: 396 307 54/ 53 1.5 · 2/ 51 • 2 492 492 398 297 .2 1.5 1.6 439 4 3 O 453 746 49/ 47 .0 1.5 1.0 1.4 . 5 .0 411 411 517 279 • 1 46/ 45 1.0 431 431 572 361 2.1 44/ 43 352 306 .1 1.1 1.1 1.3 585 . 6 42/ 41 1.3 1.5 356 356 467 384 275 275 382 . 6 • 2 440 42/ 39 1.0 1.2 246 246 419 384 35/ 37 .8 36/ 35 194 298 421 • 5 • 3 154 155 199 95 95 261 440 32/ 31 . 3 36/ 29 43 162 357 367 35 35 63 28/ 27 . 2 • 0 26/ 25 70 272 •0 - 1 26 130 24/ 23 .0 152 22/ 21 20/ 19 170 ZX' Σx No. Obs. Mean No. of Hours with Temperature Element (X) 10 F Dry Bulb Wer Bulb Bow Point

GLCRAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

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## PSYCHROMETRIC SUMMARY

RANDOLPH AFB TX
STATION NAME 69-70,73-80 DEC PAGE 2 TOTAL Temp. (F) WET BULB TEMPERATURE DEPRESSION (F) TOTAL D.B./W.B. Dry Bulb Wet Bulb Dew Point 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 16/ 15 87 19/ 13 59 12/ 11 42 25 7 ê/ 4/ 3 8 11 1.625.420.814.212.2 9.3 6.3 4.4 2.7 1.8 .7 .3 7433 7433 Element (X) No. Obs. Mean No. of Hours with Temperature Rei, Hum. 35294473 7433 10F 487829 65.621.002 1 32 F ≥ 67 F = 73 F = 80 F = 93 F Tetel 22160599 Dry Bulb 396883 53.411.435 7434 19.5 111.1 744 Wet Bulb 17535047 59.6 20.0 352507 47.410.488 7433 744 Day Point 40.713.519 302403 13661135 7433

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APETAC 1044 0-26-5 (OL.)

GLÓBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **PSYCHROMETRIC SUMMARY**

RANDOLPH AFB TX STATION HAME 722536 69-70-73-81 YEARS PAGE 1 WET BULB TEMPERATURE DEPRESSION (F) TOTAL TOTAL Temp. 1 - 2 3 - 4 5 - 6 7 - 8 9 - 10 11 - 12 13 - 14 15 - 16 17 - 18 19 - 20 21 - 22 23 - 24 25 - 26 27 - 28 29 - 30 = 31 D.B./W.B. Dry Buib Wet Buib Dew Point 106/105 .0 2 2 104/103 •0 14 102/101 .0 .0 .0 • 0 42 42 100/ 99 ۵. 151 151 78/ 97 .0 . 1 . 0 • 0 321 . 1 • 1 • 0 321 96/ 95 645 645 . 2 ^4/ 93 • 0 • 0 • 3 .0 954 954. . 1 .0 • D • O 92/ 91 •0 •0 •0 1388 1388 90/ 89 .0 • 7 . 7 .0 • 0 . 2 . 3 . 1 . 0 • D • 0 .0 1911 1911 • D 28/ B7 ۰۵ •0 •O 2060 2060 26/ 85 • 0 .0 . 8 . 1 • 1 2452 2452 • 1 . 8 • 5 . 2 • 0 . 0 • D .0 . 0 34/ 83 -0 2740 2740 .0 .0 92/ 81 • 1 . 6 1.0 . 1 .0 3202 3202 27 . 6 . 2 . 1 . 1 36/ 79 _0 .6 1.0 ا0م ۰۵ • Di 4138 4138 196 10 • 0 75/ 77 .3 1.8 1.3 .0 .0 4931 4931 1685 51 76/ 75 9 2.3 1.4 .0 .0 • 0 5886 5886 5864 596 .1 1.4 2.1 1.2 74/ 73 • 1 . 3 . 2 . 0 .0 5505 5505 9503 3144 77/ 71 a0 1a6 1a9 •0 5195 5195 7579 6515 •0 74/ 69 .1 1.4 1.8 . 4 . 3 . 2 . 2 . 1 - 1 • 0 .0 4652 4652 6729 8025 3951 3952 5652 8135 68/ 67 ali 1ali 1a4i . 2 • 0 £6/ 65 -1 1-2 1-0 3576 3576 4409 6845 • 0 3273 3273 4338 4901 64/ 63 1 1.2 •0 62/ 61 .1 1.1 . 3 . 1 3131 3131 3541 4091 3033 3033 3486 3566 - 6 . 1 627 59 -1 1.0 . 8 3033 3486 3566 . 9 54/ 57 . 6 . 3 . 1 . 0 2741 2741 3205 3207 56/ 55 . 8 ď -6 2581 2581 3245 3029 2347 2347 2953 2764 2245 2245 2742 2573 54/ 53 . 1 . 7 .6 . 3 • 1 . 0 52/ 51 50/ 49 2239 2239 2858 2284 . 2 • 0 441 47 1931 1931 2927 2287 1898 1898 2788 2414 46/ 45 - 1 .0 1561 1561 2486 2202 1540 1540 2106 2368 44/ 43 42/ 41 1360 1361 1963 Element (X) No. Obs. Meen No. of Hours with Rel. Hum. 10F ≤ 32 F ≥ 67 F a 73 F * 80 F ▶ 93 F Total Dry Sulb Wet Bulb

(OL A) sevide nevious terriors of th

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Dow Paint

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR HEATHER SERVICE/MAC

# **PSYCHROMETRIC SUMMARY**

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-	lei. Num.	_	_=_		524		959	200		19.7		876		= 0 1		≤ 32 F	= 67		73 F	- 80 F	÷ 93	F	Total
	Dry Bufb				909		870			15.1		876								1801.			87
-	for Bulb				634		256			13.2		876					3724						87
-	New Point				789		799			15.4		876		1			2648						87

AFETAC

GLCFAL CLIMATOLOGY BRANCH SCHFETAC AT REATHER SERVICE/MAC

## **MEANS AND STANDARD DEVIATIONS**

DRY-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

YEARS

722536

RANDOLPH AFB TX
STATION NAME

69-70,73-81

STATION

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HRS (LST)		JAN	FEB.	MAR	APR.	MAY	אטנ	JUL	AUG	SEP.	001	NOV	DEC	ANNUAL
	MEAN	43.9	48.8	56.3	62.3	68.1	73.1	75.8	75.3	71.2	62.1	53.7	49.0	61.
6-62	\$ D	10.257	9.936	9.097	8.138	6.274	4.767	2.888	3.339	5.846	9.0191	1.110	10.250	13.424
	TOTAL OBS	930	846	929	900	930	900	930	930	900	930	900	930	1095
	MEAN	42.7	47.1	54.5	60.8	66.8	71.8	74.4	73.8	69.8	60.3	52.1	47.3	60.2
- 05	S D	10.5201	10.286	9.895	8.765	6.997	5.250	2.426	3.452	6.387	9.5221	1.5111	0.700	13.72
	TOTAL OBS	930.	845	930	900	930	900	930	930	899	930	900	930	10954
	MEAN	42.0	46.4	54.3	61.6	68.4	73.4	75.8	75.0	70.5	60.8	51.9	46.7	60.6
6-03	S.D	10.622	10.489	9.913	8.269	6.404	4.933	3.128	3.709	6.264	9.3001	1.384	10.837	14.339
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	10956
	MEAN	47.7	53.4	61.7	68.6	75.4	81.0	83.7	83.6	78.8	70.4	60.4	53.9	68.
	S.D	10.710	10.119	8.626	6.884	5.408	4.818	4.316	4.075	5.995	7.9501	0.020	9.417	14.34
	TOTAL OBS	930	846	930	900	930	899	930	930	900	930	900	930	10955
	MEAN	54.3	60.5	68.5	74.4	80.6	86.5	89.8	89.2	84.4	76.6	67.0	61.0	74 .
12-14	S. D	11.907	11.414	9.332	7.365	5.724	5.226	5.276	5.144	6.419	8.4541	0.731	9.862	14.329
	TOTAL OBS	930	846	930	900.	930	900	930	930	900	930	900	930	10956
	MEAN	56.4	63.2	70.9	76.2	82.0	88.0	91.2	90.5	85.3	77.6	68.1	62.4	76.0
15-17	S D.	12.355	12.139	9.640	7.267	6.088	5.748	6.599	5.984	6.733	8.5271	1.002	10.161	14.33
	TOTAL OBS	930	846	930	900	930	900	930	930	900	930	900	930	1095
	MEAN	50.6	57.7	65.2	70.9	76.9	83.0	86.4	85.0	78.9	70.3	60.6	55.7	70.
11-20	S D.	10.686	11.015	8.982	6.898	6.002	5.738	6.428	5.792	6.422	8.0531	0.046	9.022	14.236
	TOTAL OBS	930	846	930	900	927	900	930	930	900	930	900	927	1095
	MEAN	46.3	52.1	59.2	65.2	71.0	76.4	79.6	78.6	73.4	64.7	55.7	51.1	64.5
1-23	5. D.	9.973	9.819	8.279	6.912	5.661	4.476	4.301	4.105	5.688	8.4951	D.584	9.404	13.441
	TOTAL OBS	930	846	930	988	927	900	930	930	900	930	900	927	10950
	MEAN	48.0	53.6	61.3	67.5	73.6	79.2	82.1	81.4	76.5	67.9	58.7	53.4	67.0
ALL HOURS	S.D.	11.999	12.186	10.987	9.414	8.217	7.855	7.760	7.673	8.504	10.8301	2.369	11.435	15.187
	TOTAL OBS	7440	4747	7439	7200	7434	7100	7440	7440	7100	7440	7200	7434	87637

USAFETAC FORM 0-89-5 (OLI)

LE AL CLIMATOLOGY BRANCH FOLTAC 4 REATHER SERVICE/MAC

# **MEANS AND STANDARD DEVIATIONS**

RET-BULB TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

722 36 RANDOLPH AFB TX

69-70,73-81

- STATION

STATION NAME

3.4.0.4			•											
IRS (LST)		JAN	FEB	MAR.	APR.	MAY	JUN.	JUL	AUG	SEP	ОСТ	NOV	DEC	ANNUAL
	MEAN	40.8	45.8	51.9	58.7	64.6	69.5	71.4	71.2	67.8	58.5	50.4	45.1	58.
L- :2	5 D	10.475	10.286	9.744	8.719	6.508	4.648	2.120	2.781	6.236	9.2811	11.466	0.650	13.48
	TOTAL OBS				900	930					930	900	929	1095
	MEAN	39.8	43.8	50.9	57.7	63.7	68.8	71.1	70.7	67.0	57.4	49.2	44.1	57
13 <b>−</b> 35	5 D :	10.730	10.613	10.451	9.199	7.123	5.129	2.217	3.220	6.806	9.849	11.8683	11.153	13.9
	TOTAL OBS	930	845	930	900	930	899	930	930	899	930	900	930	109
	MEAN	39.2	43.3	50.7	58.2	64.7	69.8	72.1	71.6	67.6	57.8	49.D	43.7	57
5-38	\$ D	10.817	10.813	10.505	8.807	6.630	4.774	2.388	3.160	6.622	9.767	1.786	11.285	14.3
	TOTAL OBS	930	845	930	900	930	900	930	930	900	930	900	930	109
	MEAN	43.0	47.8	54.7	61.6	67.9	72.4	74.1	74.2	70.8	62.7	53.9	48.3	61
-11	5 D	10.426	9.944	8.856	7.266	5.470	3.910	1.954	1.999	5.382	8.142	10.434	9.936	13.1
	TOTAL OBS		846								930			109
						1								
	MEAN	46.5	51.1	57.5	63.9	69.8	73.5	74.7	74.5	71.8	64.4	56.5	51.6	63
114	S D	10.342	9.587	8.362	6.994	5.327	3.839	1.992	2.142	4.890	7.582	10.091	9.333	12.1
	TOTAL OBS		846					930				900		
														<u></u>
	MEAN	47.5	52.0	58.1	64.3	70.2	73.6	74.3	74.3	71.6	64.2	56.6	51.8	63
15-17	S D	10.183	9.420	8.130	6.851	5.303	3.781	2.120	2.176	4.692	7.186	9.791	8.987	11.7
	TOTAL OBS		846					930						
	MEAN	44.7	49.4	55.6	62.2	68.3	72.3	73.2	72.9	69.7	61.8	53.5	48.6	61
-20	5 D.	9.951	9.543	8.389	7.315	5.551	3.925	2.169	2.339	5.151	7.544	10.133	9.080	12.3
	TOTAL OBS	930	346	930	900	927	900	930	930	900	930	900	927	109
			!		i									
	MEAN	42.3	46.9	53.3	60.0	66.0	70.6	72.0	71.9	68.3	59.7	51.3	46.3	59
1-23	\$ D	10.078												12.9
	TOTAL OBS									1 - 1	,		927	109
		J												
	MEAN	43.0	47.4	54.1	60.8	66.9	71.3	72.9	72.7	69.3	60.8	52.6	47.4	60
ALL HOURS	S D.	10.763	10.472	9.596										13.2
			6766											

USAFETAC FORM | 0-89-5 (OL1)

CE.BAL CEIMATOLOGY BRANCH
CAFETAC
ACTUATION SERVICE/MAC

### MEANS AND STANDARD DEVIATIONS

DEW-POINT TEMPERATURES DEG F FROM HOURLY OBSERVATIONS

772536 FANDOLPH AFB TX 69-70,73-81 YEARS STATION NAME SEP NOV FEB. DEC ANNUAL HRS ILST JAN MAR APR. MAY JUN JUL AUG OCT MEAN 36.2 40.2 47.4 55.8 62.4 67.6 69.2 69.2 65.9 55.7 47.0 40.4 54.8 S D 13.00313.05212.54710.718 7.492 5.145 2.637 3.252 7.26313.75313.56213.340 15.485 5-32 TOTAL OBS. 930 846 929 900 930 900 930 930 900 930 900 929 10954 MEAN 35.6 39.4 47.0 55.1 61.8 67.2 69.5 69.2 65.4 55.0 46.0 39.9 S D -13.17313.35212.89411.013 7.903 5.559 2.551 3.548 7.67011.22713.89413.656 15.845 TOTAL OBS 930 845 930 900 930 899 930 930 899 930 900. 930 10953 35.0 39.1 46.9 55.6 62.4 68.0 70.3 70.0 65.8 55.3 45.8 39.6 (-j∈ S D 13.13613.44112.99010.730 7.692 5.408 2.580 3.398 7.50811.28813.93413.739 16.183 TOTAL OBS 10955 36.8 41.4 48.2 56.3 63.6 68.2 69.7 70.0 66.7 57.2 47.5 41.6 -11 SD 13.53013.60412.90910.799.7.647:5.042.2.557.2.699.7.04111.19714.40313.878 15.668 TOTAL OBS 930 900 930 899 930 930 900 930 900 930 10955 930 846 37.5 41.4 47.9 56.4 63.9 67.4 67.8 67.9 65.5 56.1 47.1 41.7 13.78113.55313.21511.161 7.797 5.273 3.296 3.201 6.96911.15814.60714.037 55.1 1 . - 14 S D 15.321 TOTAL OBS 930 846 930 900 930 900 930 900 930 900 930 10956 37.5 40.6 47.0 56.0 63.7 66.7 66.6 66.8 64.6 55.0 46.4 41.1 MEAN 13.51313.42013.12111.489 7.883 5.433 3.825 3.685 7.05510.88414.43113.535 5 D 15.161 TOTAL OBS 930 846 930 900 930 900 930 930 900 930 900 930 10956 MEAN 37.4 40.4 46.8 55.6 63.3 67.0 66.9 67.1 64.8 55.6 46.6 40.7 13.04413.34412.85311.368 7.677 5.365 3.735 3.706 7.05710.26013.82912.953 5 D. 15.064 TOTAL OBS 846 930 900 927 900 930 930 900: 930. 900: 927 10950 36.9 40.9 47.4 55.9 62.9 67.7 68.3 68.6 65.4 56.0 46.9 40.5 12.83413.16412.53410.734 7.338 5.061 2.818 3.341 7.24210.24513.49612.859 MEAN 1-23 SD 15.165 TOTAL OBS 930 930 900 930 900 927 930 846 930 900 927 900 10950 36.6 40.4 47.3 55.8 63.0 67.5 68.6 68.6 65.5 55.7 46.7 40.7 13.28413.38312.88711.008 7.710 5.306 3.297 3.559 7.25310.89814.02913.519 MEAN 5 D. 15.496 TOTAL OBS 7440 6766 7439 7200 7434 7198 7440 7440 7199 7440 7200 7433

USAFETAC FORM 0.89.5 (OLI)

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GLOBAL CLIMATOLOGY BRANCH UCAFETAC ATH WEATHER SERVICE/MAC RELATIVE HUMIDITY

722536 STATION HANDOLPH AFB TX
STATION NAME

70,73-81

JAN MONTH

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	E FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60°.	70°∘	80°-	904	HUMIDITY	NO. QF OBS.
JAN	J0-02	100.0	100.0	99.6	97.2	90.3	79.9	67.3	45.9	18.4	75.7	930
	03-05	100.0	100.0	99.8	97.4	93.0	83.1	71.3	49.1	21.9	77.5	930
i 	ú6 <b>-</b> 08	100.0	100.0	99.7	97.7	93.1	84.1	69.7	49.2	20.5	77.3	930
ļ 	J9-11	160.0	100.0	97.1	89.1	77.3	64.3	50.4	36.1	14.5	68.6	930
	12-14	130.0	98.8	86.9	73.0	57.5	44.3	30.5	18.4	7.2	57.2	930
	15-17	100.0	97.2	83.5	66.1	50.6	38.2	24.0	14.1	6.6	53.5	930
	18-20	100.0	99.8	95.2	84.3	71.0	56.3	39.9	23.9	9.1	63.6	930
	21-23	100.0	100.0	99.4	94.4	84.8	71.6	58.2	37.1	13.7	71.8	930
		-										
TO	DTALS	130.0	99.5	95.2	87.4	77.2	65.2	51.4	34.2	14.0	68.2	7440

USAFETAC PORM 0-87-5 (OL A)

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CLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

RANDOLPH AFB TX
STATION NAME

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#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°₀	80°.	90°•	HUMIDITY	NO OF OBS.
FEB	30 <b>-</b> 02	100.0	100.0	98.2	95.0	88.2	78.1	63.9	42.9	16.4	74.2	846
<del> </del>	03-05	100.0	99.8	98.5	95.5	89.2	80.9	69.8	52.1	18.8	76.3	845
	06-08	100.0	100.0	98.5	95.4	90.2	81.3	70.5	55.6	22.1	77.4	845
	09-11	100.0	99.2	93.7	84.4	75.2	62.5	52.4	36.9	13.1	67.5	846
	12-14	100.0	95.2	81.2	68.3	54.0	38.2	25.3	15.6	5.0	54.0	846
	15-17	99.6	91.4	74.7	59.2	41.8	28.3	18.2	11.9	3.5	48.5	846
<del></del>	18-20	99.6	95.6	87.9	75.2	58.5	44.4	29.9	16.4	5.3	57.0	846
	21-23	100.0	98.7	97.0	91.5	79.6	65.4	51.5	31.9	9.1	68.3	846
TO	)TALS	99.9	97.5	91.2	83.1	72.1	59.9	47.7	32.9	11.7	65.4	6766

USAFETAL 0-87-5 (OL A)

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GLEBAL CLIMATOLOGY BRANCH USAFETAC

A' - HEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536 RANDOLPH AFB TX
STATION STATION HAME

70,73-81

MAR

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAG	E FREQUENCY	OF RELATIVE	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90°•	RELATIVE	NO. OF OBS.
MAR	00-02	100.0	100.0	98.3	94.7	88.3	78.5	63.6	42.7	15.1	74.0	929
	03-05	100.0	100.0	98.7	96.3	91.3	83.8	70.3	50.4	22.9	77.4	930
	06-08	100.0	100.0	98.6	96.3	91.7	83.5	72.2	51.9	23.3	77.8	930
	09-11	100.0	98.6	93.1	83.5	69.6	59.2	46.0	29.2	11.0	64.9	<b>93</b> G
	12-14	99.8	93.9	81.2	64.5	50.3	34.3	23.2	13.5	5.2	52.3	930
	15-17	99.9	89.8	73.3	57.2	39.5	28.3	17.3	8.6	3.3	47.3	930
	18-20	100.0	95.8	84.5	71.8	57.7	44.1	28.8	14.5	4.4	55.8	930
	21-23	100.0	99.0	96.2	88.2	79.0	65.5	51.4	30.1	8.7	67.7	930
		<del>                                     </del>										
						ļ	<u> </u>			-		<u> </u>
10	TALS	100.0	97.1	90.5	81.6	70.9	59.7	46.6	30.1	11.7	64.7	7439

USAFETAC 0-87-5 (OL A)

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GLUBAL CLIMATOLOGY BRANCH USAFETAC AIP WEATHER SERVICE/MAC

## **RELATIVE HUMIDITY**

722536 RANDOLPH AFB TX
STATION STATION NAME

70,73-81

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

HOURS	1		PERCENTAG	E FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
(L.S.T.)	10%	20%	30%	40%	50%	60%	70°•	80%	90°.	HUMIDITY	NO. OF OBS.
u <b>0-02</b>	100.0	99.9	99.4	98.0	95.0	90.0	82.7	60.3	19.2	80.1	980
23-05	130.0	100.0	99.4	98.3	96.2	90.8	85.0	67.8	25.1	82.1	900
ü6−08	100.0	100.0	99.9	98.0	95.8	90.7	82.8	64.2	24.9	81.4	900
J9-11	100.0	99.8	95.9	88.6	78.8	68.8	50.6	28.8	9.8	67.7	900
12-14	100.0	97.4	89.4	76.1	64.2	42.2	23.0	13.9	4.8	56.9	900
15-17	100.0	95.6	84.6	70.4	55.7	34.3	21.0	10.8	3.2	53.2	900
18-20	100.0	99.0	92.4	82.1	70.8	54.8	37.1	17.3	4.2	61.5	900
21-23	100.0	99.7	99.3	95.3	89.6	79.9	65.3	39.6	11.3	73.5	900
						-	<del> </del>				
LAIS									<del>                                     </del>		7200
	(LS.1) U0-02 U3-05 U6-08 U9-11 12-14 15-17 18-20	(LS.T) 10%  U0-02 100.0  U3-05 100.0  U6-08 100.0  19-11 100.0  12-14 100.0  15-17 100.0  21-23 100.0	(LS.T.) 10% 20%  U0-02 100.0 99.9  U3-05 100.0 100.0  U6-08 100.0 100.0  09-11 100.0 99.8  12-14 100.0 97.4  15-17 100.0 95.6  18-20 100.0 99.0  21-23 100.0 99.7	(LST) 10% 20% 30%  UB-02 100.0 99.9 99.4  U3-05 100.0 100.0 99.4  U6-08 100.0 100.0 99.9  19-11 100.0 99.8 95.9  12-14 100.0 97.4 89.4  15-17 100.0 95.6 84.6  18-20 100.0 99.0 92.4  21-23 100.0 99.7 99.3	(LS.T.) 10% 20% 30% 40%  UB-02 100.0 99.9 99.4 98.0  UB-08 100.0 100.0 99.9 98.0  D9-11 100.0 99.8 95.9 88.6  12-14 100.0 97.4 89.4 76.1  15-17 100.0 95.6 84.6 70.4  18-20 100.0 99.0 92.4 82.1  21-23 100.0 99.7 99.3 95.3	(LST) 10% 20% 30% 40% 50% UB-02 100.0 99.9 99.4 98.0 95.0 UB-08 100.0 100.0 99.9 98.0 95.8 UB-11 100.0 99.8 95.9 88.6 78.8 12-14 100.0 97.4 89.4 76.1 64.2 15-17 100.0 95.6 84.6 70.4 55.7 18-20 100.0 99.0 92.4 82.1 70.8 21-23 100.0 99.7 99.3 95.3 89.6	(LST)         10%         20%         30%         40%         50%         60%           UB-02         130.0         99.9         99.4         98.0         95.0         90.0           UB-05         130.0         100.0         99.4         98.3         96.2         90.8           UB-08         130.0         100.0         99.9         98.0         95.8         90.7           39-11         100.0         99.8         95.9         88.6         78.8         68.8           12-14         100.0         97.4         89.4         76.1         64.2         42.2           15-17         130.0         95.6         84.6         70.4         55.7         34.3           18-20         100.0         99.0         92.4         82.1         70.8         54.8           21-23         100.0         99.7         99.3         95.3         89.6         79.9	(LST)       10%       20%       30%       40%       50%       60%       70%         UO-02       130.0       99.9       99.4       98.0       95.0       90.0       82.7         L3-05       130.0       100.0       99.4       98.3       96.2       90.8       85.0         U6-08       130.0       100.0       99.9       98.0       95.8       90.7       82.8         39-11       100.0       99.8       95.9       88.6       78.8       68.8       50.6         12-14       190.0       97.4       89.4       76.1       64.2       42.2       23.0         15-17       130.0       95.6       84.6       70.4       55.7       34.3       21.0         18-20       100.0       99.0       92.4       82.1       70.8       54.8       37.1         21-23       100.0       99.7       99.3       95.3       89.6       79.9       65.3	(LS.T)         10%         20%         30%         40%         50%         60%         70%         80%           U0-02         100.0         99.9         99.4         98.0         95.0         90.0         82.7         63.3           L3-05         130.0         100.0         99.4         98.3         96.2         90.8         85.0         67.8           U6-08         130.0         100.0         99.9         98.0         95.8         90.7         82.8         64.2           39-11         100.0         99.8         95.9         88.6         78.8         68.8         50.6         28.8           12-14         190.0         97.4         89.4         76.1         64.2         42.2         23.0         13.9           15-17         130.0         95.6         84.6         70.4         55.7         34.3         21.0         10.8           18-20         100.0         99.7         99.3         95.3         89.6         79.9         65.3         39.6           21-23         100.0         99.7         99.3         95.3         89.6         79.9         65.3         39.6	(LS.T)       10°0       20°0       30°0       40°0       50°0       60°0       70°0       80°0       90°0         U0-02       100.0       99.9       99.4       98.0       95.0       90.0       82.7       63.3       19.2         L3-05       130.0       100.0       99.4       98.3       96.2       90.8       85.0       67.8       25.1         U6-08       100.0       100.0       99.9       98.0       95.8       90.7       82.8       64.2       24.9         39-11       100.0       99.8       95.9       88.6       78.8       68.8       50.6       28.8       9.8         12-14       100.0       97.4       89.4       76.1       64.2       42.2       23.0       13.9       4.8         15-17       100.0       95.6       84.6       70.4       55.7       34.3       21.0       10.8       3.2         18-20       100.0       99.7       99.3       95.3       89.6       79.9       65.3       39.6       11.3	RELATIVE   10%   20%   30%   40%   50%   60%   70%   80%   90%   MUMIDITY

USAFETAC FORM 0-87-5 (OL A)

GLCBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **RELATIVE HUMIDITY**

722536 STATION

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RANDOLPH AFB TX
STATION NAME

70,73-81

MAY

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	7		PERCENTAG	E FREQUENCY	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL	
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70°•	60%	<b>9</b> 0°.	RELATIVE	NO. OF OBS.	
4AY	JO-02	160.0	100.0	99.8	99.6	99.5	98.0	90.5	61.9	15.1	82.2	930	
	33-05	130.0	100.0	100.0	99.9	99.4	98.4	93.3	69.2	21.2	84.3	930	
	u6-08	100.0	100.0	100.0	99.9	98.3	94.9	87.8	64.1	14.8	81.7	930	
	69-11	130.0	100.0	98.9	95.5	87.6	71.1	48.2	20.2	3.3	68.0	930	
	12-14	100.0	99.9	97.0	89.0	72.2	42.5	20.5	7.1	1.1	58.5	930	
	15-17	100.0	99.8	95.7	85.2	63.2	32.2	15.9	7.0	1.3	55.7	930	
	18-20	100.0	99.9	98.7	94.0	83.9	62.1	33.1	14.3	2.6	64.4	927	
·	21-23	100.0	100.0	99.7	99.5	97.8	91.3	74.1	37.4	7.2	76.1	927	
	-		-		-								
		-		<del> </del>						-			
							-						
τo	TALS	100.0	00.0 100.0 98.7 95.3 87.7 73.8 57.9 35.2 8.3										

USAFETAC 0-87-5 (OL A)

SLUBAL CLIMATOLOGY BRANCH UTAFETAC AIS MEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

RANDOLPH AFB TX
STATION NAME

69-70,73-80

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	1		PERCENTAC	GE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
HTMOM	(L.S.7.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OSS.
JUN	0 <b>0−0</b> 2	100.0	100.0	100.0	100.0	99.9	98.8	94.0	72.3	7.4	82.9	900
	03-05	100.0	100.0	100.0	100.0	100.0	99.1	97.2	83.2	17.1	85.6	899
	06 <b>-0</b> 8	100.0	100.0	100.0	100.0	99.4	97.6	93.4	69.8	11.9	83.1	900
	9-11	100.0	100.0	100.0	98.3	93.0	69.4	33.1	8.3	•2	65.8	899
	12-14	100.0	100.0	99.1	90.4	62.3	21.6	5.9	2.6	.4	53.8	900
	15-17	100.0	100.0	96.6	81.1	47.3	14.1	6.0	3.3	•7	50.5	900
	18-20	100.0	100.0	99.0	92.9	76.1	46.2	20.4	5.4	.7	59.8	900
	21-23	100.0	100.0	100.0	100.0	98.4	91.8	70.9	31.7	1.9	74.8	900
101		100.0	100.0	99.3	95.3		67.3	52.6	34.6	5.0	69.5	7198

USAFETAC 0-87-5 (OL A)

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GLURAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# **RELATIVE HUMIDITY**

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80

JUL

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTA	GE FREQUENC	Y OF RELATIV	E HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
JUL	u <b>u-0</b> 2	100.0	100.0	100.0	100.0	99.8	97.1	88.0	53.5	7.7	80.1	930
	53-05	100.0	100.0	100.0	100.0	100.0	100.0	97.3	80.2	13.4	84.8	930
	06-08	100.0	100.0	100.0	100.0	100.0	99.6	96.3	68.4	11.1	83.3	930
	09-11	100.0	100.0	100.0	98.9	88.8	58.7	25.4	7.2	.6	63.5	930
	12-14	100.0	99.9	98.0	78.3	38.1	16.1	6.6	3.2	.1	49.7	930
	15-17	100.0	99.6	92.5	58.1	29.8	14.9	9.1	4.5	.4	46.4	930
	18-20	100.0	100-0	96.7	81.1	54.2	31.3	15.5	8.0	.9	54.3	930
	21-23	100.0	100.0	100.0	99.2	94.0	74.1	49.9	19.1	2.3	69.4	930
				1								
fO	TALS	100.0	99.9	98.4	89.5	75.6	61.5	48.5	30.5	4.6	66.4	7440

USAFETAC 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

# RELATIVE HUMIDITY

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RANDOLPH AFB TX
STATION NAME

69-70,73-80

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS	i		PERCENTAC	SE FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN	TOTAL
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
AUG_	0 <b>0~02</b>	100.0	100.0	100.0	100.0	100.0	96.6	90.0	62.8	8.9	81.5	930
	03~05	100.0	100.0	100.0	100.0	100.0	99.2	95.9	82.9	21.2	85.5	930
	06-08	100.0	100.0	100.0	100.0	100.0	99.0	95.9	76.8	17.0	84.5	930
	09-11	100.0	100.0	100.0	99.7	91.0	60.4	28.8	8.7	.4	64.5	930
	12-14	100.0	100.0	98.9	84.3	41.9	13.1	7.4	3.9	•2	50.5	930
	15-17	130.0	100.0	95.9	66.3	27.0	16.0	9.1	3.4	.3	47.2	930
	18-20	100.0	100.0	98.5	87.4	64.9	35.2	19.0	7.6	.3	56.8	930
	21-23	100.0	100.0	100.0	99.6	95.5	84.0	58.0	27.1	2.6	72.1	930
			<u> </u>	<u> </u>	ļ	ļ						
		<del> </del>	-	<del> </del>	<del> </del>							
			<u> </u>	<del> </del>	<del> </del>	<del> </del>						
101	FALS	100.0	100.0	99.2	92.2	77.5	62.9	50.5	34.2	6.4	67.8	7446

0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC ATH WEATHER SERVICE/MAC

## **RELATIVE HUMIDITY**

722536 STATION RANDOLPH AFB TX
STATION NAME

____

69-70,73-80

PERIOD

SEP

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS			PERCENTAC	GE FREQUENCY	OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE	TOTAL NO. OF
MONTH	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	OBS.
SEP_	00-02	100.0	100.0	100.0	99.7	99,3	96.8	92.2	72.7	16.1	83.5	900
	ພ3 <b>−05</b>	100.0	100.0	100.0	99.9	99.7	98.4	94.3	81.2	23.0	85.9	899
	06-08	100.0	100.0	100.0	100.0	99.4	98.4	92.7	77.2	20.8	85.1	900
	09-11	130.0	100.0	99.9	96.6	88.4	70.3	45.1	19.3	1.8	67.7	900
	12-14	100.0	100.0	96.9	85.7	58.6	29.1	13.6	5.6	.7	54.6	900
	15-17	100.0	99.6	94.2	76.7	47.3	23.2	14.4	6.8	.7	51.9	900
	18-20	100.0	100.0	98.8	93.0	78.8	54.7	36.0	15.9	1.3	63.6	900
	21-23	100.0	100.0	100.0	98.9	97.1	90.2	74.8	42.9	6.1	76.5	900
	ļ	<b></b>	ļ	ļ	<del></del>	ļ			<b> </b>	<del> </del>		
	<del> </del>		<del> </del>	<del> </del>	<del> </del>	ļ	<del> </del>	ļ	<del> </del>	<del> </del>	<del> </del>	
<del></del> _		<del> </del>	+	-	-							
10	TALS	100.0	100.0	98.7	93.8	83.6	70.1	57.9	40.2	8.8	71.1	7199

USAPETAC PORM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AIF WEATHER SERVICE/MAC

RELATIVE HUMIDITY

722536

RANDOLPH AFB TX
STATION NAME

69-70,73-80

____

OCT

# CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			MEAN	TOTAL							
	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE	NO. OF OBS.
CCT	00-02	100.0	100.0	100.0	97.5	95.8	91.4	82.3	60.3	20.6	80.5	930
	u3-05	100.0	100.0	100.0	98.5	96.3	93.9	87.5	70.0	29.1	83.4	930
	06-08	100.0	100.0	100.0	98.4	95.9	93.1	85.9	68.2	28.5	82.9	930
····-	09-11	100.0	99.7	97.2	90.3	77.2	59.9	42.6	22.9	5.5	65.1	930
	12-14	100.0	98.1	88.9	72.0	47.4	26.0	14.5	8.5	1.5	51.6	930
	15-17	100.0	97.3	85.2	62.8	40.9	20.3	12.4	7.5	1.5	48.5	930
	18-20	100.0	99.8	96.1	88.4	73.3	53.3	31.1	15.3	3.2	61.9	930
<del></del>	21-23	100.0	100.0	99.5	97.4	93.0	82.0	67.1	40.9	8.3	74.5	930
TO	TALS	100.0	99.4	95.9	88.2	77.5	65.0	52.9	36.7	12.3	68.6	7440

USAPETAC POM 0-87-5 (OL A)

GLOBAL CLIMATOLOGY BRANCH USAFETAC AT: WEATHER SERVICE/MAC

**RELATIVE HUMIDITY** 

RANDOLPH AFB TX
STATION NAME

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

	HOURS		MEAN	TOTAL								
HTMOM	(L.S.T.)	10%	20%	30%	40%	50%	60%	70%	80%	90%	RELATIVE HUMIDITY	NO. OF OSS.
NOV	00-92	100.0	100.0	99.9	98.9	94.2	86.9	74.8	57.9	19.1	79.1	900
	03-05	100.0	100.0	99.6	98.2	95.0	89.3	79.3	59.8	24.2	80.5	900
	06-08	100.0	100.0	99.0	97.8	96.0	89.1	80.8	62.4	23.0	80.7	900
	09-11	100.0	99.7	95.1	84.8	73.3	61.0	45.8	30.3	8.0	65.3	900
	12-14	100.0	97.0	82.7	67.8	51.7	35.0	19.7	9.6	2.2	52.2	900
	15-17	100.0	94.2	78.0	64.2	46.2	28.4	16.3	8.8	2.0	49.4	900
	18-20	100.0	99.7	94.9	84.0	72.3	57.6	36.2	18.3	3.6	62.3	900
	21-23	100.0	100.0	99.3	97.1	90.0	79.4	62.7	40.9	10.4	73.7	900
τo	TALS	100.0	98.8	93.6	86.6	77.3	65.8	52.0	36.0	11.6	67.9	7200

USAFETAC 0-87-5 (OL A)

GLUBAL CLIMATOLOGY BRANCH USAFETAC ATR WEATHER SERVICE/MAC

## **RELATIVE HUMIDITY**

722536 RANDOLPH AFB TX
STATION STATION NAME

69-70,73-80

DEC

CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE

(FROM HOURLY OBSERVATIONS)

PERIOD

MONTH	HOURS (L.S.T.)	į.	MEAN	TOTAL								
		10%	20%	30%	40%	50%	60%	70%	80%	90%	HUMIDITY	NO. OF OBS.
DEC	00-02	100.0	99.9	99.2	96.6	88.3	76.7	62.8	41.9	15.5	73.7 76.6 77.5 66.0 53.0 49.4	929
	03-05	100.0	100.0	100.0	97.4	91.6	80.8	69.5	51.6	18.3	76.6	930
	06-08	100.0	100.0	99.8	97.4	93.2	83.2	71.0	54.4	18.3	77.5	930
	29-11	100.0	99.6	95.7	87.1	72.8	59.1	46.2	30.5	10.0	66.0	930
	12-14	100.0	96.8	85.9	65.2	48.8	35.4	24.2	14.5	4.2	53.0	930
	15-17	100.0	95.9	79.9	59.1	42.4	28.4	17.5	11.3	3.0	49.4	930
	18-20	100.0	99.1	95.5	81.9	63.1	46.3	29.9	17.5	5.6	59.7	927
	21-23	100.0	99.7	98.4	93.7	81.6	67.1	53.8	31.4	8.8	69.2	927
									<del> </del>			
10	TALS	100.0	98.9	94.3	84.8	72.7	59.6	46.9	31.6	10.5	65.6	7433

USAFETAC 0-87-5 (OL A)

GLORAL CLIMATOLOGY BRANCH USAFETAC AIR WEATHER SERVICE/MAC

## **RELATIVE HUMIDITY**

KANDOLPH AFB TX
STATION NAME

69-70,73-81

#### CUMULATIVE PERCENTAGE FREQUENCY OF OCCURRENCE (FROM HOURLY OBSERVATIONS)

MONTH	HOURS			PERCENTAG	E FREQUENC	Y OF RELATIVE	HUMIDITY G	REATER THAN			MEAN RELATIVE HUMIDITY	TOTAL
	(L.\$.T.)	10%	20%	30%	40%	50%	60%	70°•	80%	90°,		NO. OF OBS.
JAN	ALL	100.0	99.5	95.2	87.4	77.2	65.2	51.4	34.2	14.0	66.2	7440
FEB		99.9	97.5	91.2	83.1	72.1	59.9	47.7	32.9	11.7	65.4	6766
4A 0		100.0	97.1	90.5	81.6	70.9	59.7	46.6	30-1	11.7	64.7	7439
APR	<del> </del>	150.0	98.9	95.3	88.4	80.8	68.9	55.9	37.8	12.8	69.6	7200
MAY		100.0	100.0	98.7	95.3	87.7	73.8	57.9	35.2	8.3	71.3	7434
<b>J</b> UN		100.0	100.0	99.3	95.3	84.6	67.3	52.6	34.6	5.0	69.5	7198
JUL		100.0	99.9	98.4	89.5	75.6	61.5	48.5	30.5	4.6	66.4	7440
AUG		100.0	100.0	99.2	92.2	77.5	62.9	50.5	34.2	6.4	67.8	7440
SEP		100.0	100.0	98.7	93.8	83.6	70.1	57.9	40.2	8.8	71.1	7199
üCT		100.0	99.4	95.9	88.2	77.5	65.0	52.9	36.7	12.3	68.6	7440
NOV		100.0	98.8	93.6	86.6	77.3	65.8	52.0	36.0	11.6	67.9	7200
DEC		100.0	98.9	94.3	84.8	72.7	59.6	46.9	31.6	10.5	65.6	7433
to	TALS	100.0	99.2	95.8	88.9	78.1	65.0	51.7	34.5	9.8	68.0	87629

USAFETAC 708M 0-87-5 (OL A)

U S AIR FORCE ENVIRONMENTAL TECHNICAL APPLICATIONS CENTER

### PART F

### PRESSURE SUMMARY

Presented in this part are two tables giving the means, standard deviations, and total number of observations of station pressure and sea-level pressure by month and annual for the local hourly observations corresponding to the eight 3-hourly synoptic times GCT. The same computations are also provided at the bottom of the page for all hours combined. All years of data available are combined in both of these tables, although the overall period is limited by service as indicated below.

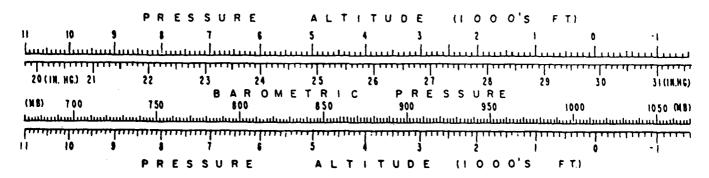
NOTES: Station pressure not reported for all services until late in 1945.

Station pressure reported only at 6-hourly times for Air Force stations from Jan 64 - Jul 65.

METAR stations do not report Sea-level pressure for the period Jan 68 - Dec 70.

- 1. Station pressure is presented in the table in inches of mercury.
- 2. Sea-level pressure is presented in millibars.

Provided below is a scale to convert station pressure values in inches of mercury or millibars to pressurealtitude in 1000's of feet. This scale is an enlarged model of the pressure-altitude scale in the Smithsonian Meteorological Tables.



GLUMAL CLIMATOLOGY BRANCH DEFETAC Al Weather Service/Mac

### **MEANS AND STANDARD DEVIATIONS**

STATION PRESSURE IN INCHES HG FROM HOURLY OBSERVATIONS

702536 KANDOLPH AFB TX 69-70,73-81 STATION NAME STATION YEARS FEB HRS IL ST NUK JUL SEP AUG 29.208 29.31129.29429.15229.15129.10629.15029.18729.17629.16929.23029.28329.287 
 •192
 •194
 •171
 •159
 •135
 •098
 •064
 •067
 •093
 •139
 •177
 •187

 310
 282
 310
 300
 310
 310
 300
 310
 300
 310
 S D -161 TOTAL OBS <u> 3652</u> 29.29829.28029.13629.12929.08329.13629.17729.16729.15629.21929.27129.273 29.193 .193 .194 .173 .159 .136 .100 .064 .068 .095 .140 .176 .186 .162 310 281 310 300 310 300 310 310 299 310 300 310 3650 29.29829.28329.14729.14429.10029.15429.19329.17929.16929.23229.28029.273 29.204 5 D .193 .194 .174 .160 .135 .099 .066 .068 .096 .144 .178 .188 310 282 310 300 310 300 310 300 310 300 310 .161 TOTAL OBS 300 310 310 300 310 300 310 3652 29.34229.32629.19029.18329.13629.18229.22129.20929.20229.27329.32429.317 29.242 S D .196 .195 .176 .161 .138 .099 .066 .069 .097 .145 .181 .189 .164 TOTAL OBS 310. 282. 310 300 310 300 310 310 30G 31D 300 3652 MEAN 29.33629.32329.17729.16929.11829.16729.20429.19429.18729.25229.30429.305 29.227 •197 •197 •177 •161 •137 •100 •066 •070 •097 •146 •184 •189 310 282 310 300 310 300 310 300 310 300 310 5 D .166 1. TOTAL OBS 3652 MEAN 27.25829.24229.10129.10829.06829.11829.15029.13229.12229.18429.23329.232 29.162 5 D •196 •195 •175 •160 •137 •101 •067 •071 •098 •145 •182 •188 310 282 310 300 310 300 310 300 310 300 310 .162 TOTAL OBS 3652 MEAN 29.26529.23629.08729.08729.04029.G8729.11929.10729.11329.18329.23929.239 29.150 .197 .195 .173 .158 .139 .101 .069 .071 .099 .145 .180 .185 5. D .166 ; • TOTAL OBS 282 310 300 309 300 310 310 300 310 300 309 3650 MEAN 29.30129.27729.13429.13329.08229.12329.15329.15029.15929.22529.28029.276 29.190 S. D •196 •191 •173 •160 •134 •100 •067 •068 •095 •141 •179 •185 .164 TOTAL OBS 310 282 310 300 309 300 **310 310 300 310 300 309** 3650 29.30129.28329.14129.13829.09229.13929.17529.16429.16029.22529.27729.275 29.197 S D .197 .197 .177 .162 .139 .104 .073 .076 .100 .146 .182 .189 2480 2255 2480 2400 2478 2400 2480 2480 2399 2480 2400 2478 .166 HOURS TOTAL OBS

AND A COLOR

USAFETAC FORM 0.89.5 (OLI)

DE HAL CLIMATOLOGY BRANCH NOTAGE EATHER SERVICE/MAC

# MEANS AND STANDARD DEVIATIONS

SEA LEVEL PRESSURE IN MBS FROM HOURLY OBSERVATIONS

772736 KANDOLPH AFE TX

69-70,73-81

STATION

STATION NAME

STATION				ION NAME						TEARS				
HRS (LST)		JAN	FEB.	MAR	APR.	MAY	JUN.	JUL	AUG	SEP	oct	NOV	DEC	ANNUAL
	MEAN	1020.7	1019.9	1014.7	1014.5	1012.7	1914.1	1015.3	1014.9	1014.8	1017.2	1019.3	1019.6	1016.
9	S D	6.874	6.922	6.077	5.623	4.781	3.466	2.267	2.425	3.342	5.002	6.364	6.708	5.84
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	365
						<del> </del>		·						· 
	MEAN													1015.4
	S D	6.932	6.914	6.169	5.638	4.823	3.523	2.288	2.484	3.386	5.046	6.329	6.676	5.889
	TOTAL OBS	310	281	310	300	310	300	310	310	299	310	300	310	3650
										•				
	MEAN	1020.2								-				1016.
45	S D	6.938	6.934	6.21G	5.668	*.779	3.500	2.328	2.486	3.427	5.177	6.390	6.734	5.842
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	365
								ļ						
	MEAN	1021.5			,		F						,	
;	S D.	7.055	6.966	6.232	5.727	4.846	3.480	2.338	2.461	3.480	5.201	6.474	6.768	5.94
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	365
								Ļ	<b></b>					
	MEAN	1021.6												
1.7	\$ D			6.301										6.00
	TOTAL OBS	310	282	310,	300	310	300	310	310	300	310.	300	310	365
	MEAN	1018.8												,
	5 D			6.221				-			_	6.514		5.868
	TOTAL OBS	310	282	310	300	310	300	310	310	300	310	300	310	365
							<u> </u>		<del></del>	<del> </del>				
	MEAN												1017.9	
1 1 2	5. D.			6.132										6.04
	TOTAL OBS	310	282	310	300	309	300	310	310	300	310	300	309	365
											L 1	<del></del>	<del></del>	
	MEAN												1019.3	
1	\$ D			6.136										5.97
	TOTAL OBS	<b>31</b> 0	282	310	300	309	300	310	310	300	309	300	309	364
	· <u>-</u>			<u> </u>		· · · · · · · · · · · · · · · · · · ·			<u> </u>					
ALL	MEAN												1019.2	1i
HOURS	S D			6.280	-									6.01
	TOTAL OBS	2430	2255	2480	2400	2478	2400	2480	2480	2399	2479	2400	2478	2920

USAPETAC 1084 0 89.5 (OLI)

